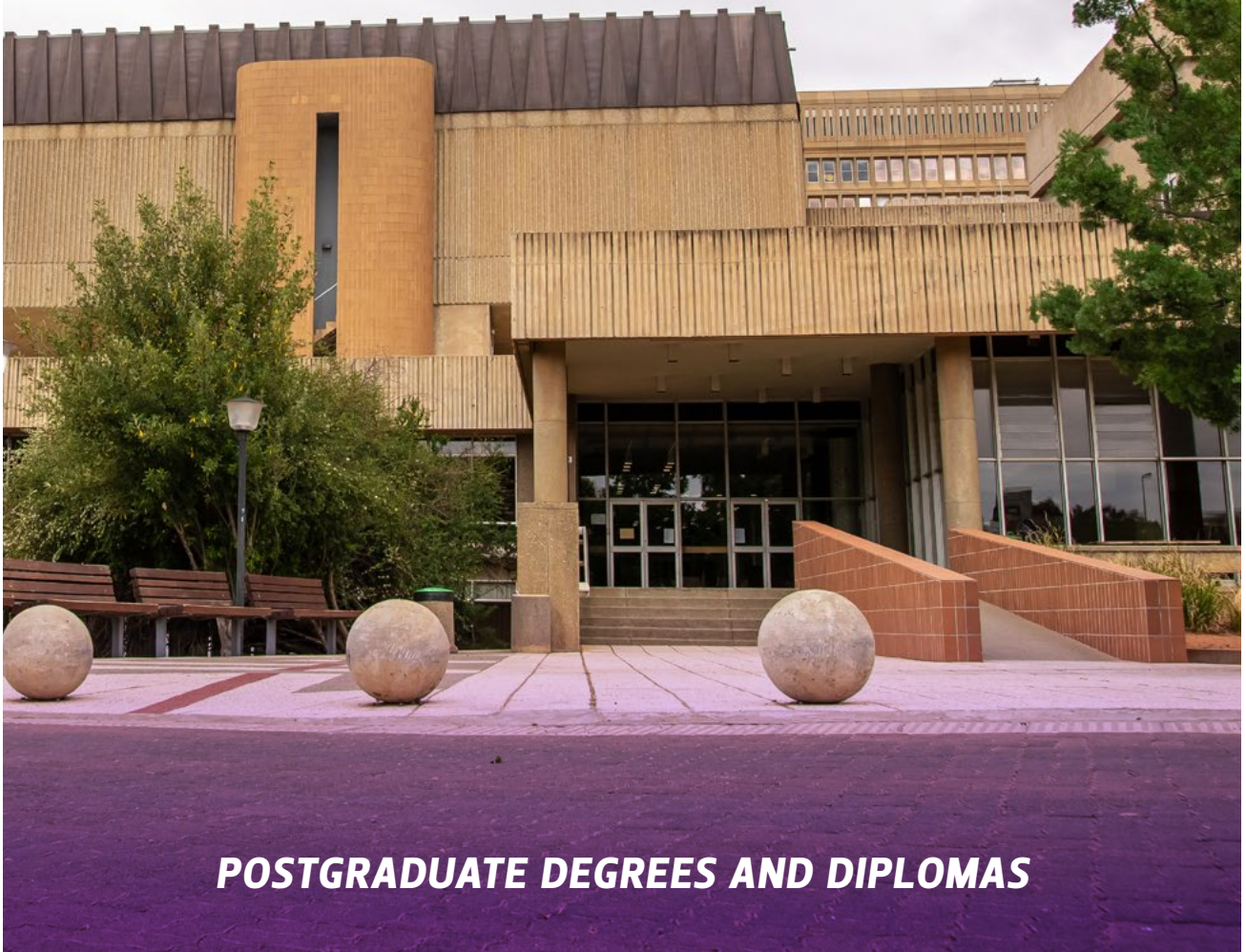




Rule Book 2022

FACULTY OF HEALTH SCIENCES



POSTGRADUATE DEGREES AND DIPLOMAS

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FREISTATA



UFS
HEALTH SCIENCES

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DEGREES AND DIPLOMAS

SCHOOL OF HEALTH AND REHABILITATION SCIENCES

Qualification	Abbreviation	Minimum Duration	Study Code	Page
Master's Degrees				
Master of Occupational Therapy	MOccTher (by dissertation)	1 yr	BC887000	11
Master of Science in Dietetics	MSc (Dietetics) (by dissertation)	1 yr	BC888000	11
Master of Nutrition	MNutr (by dissertation)	1 yr	BC888100	11
Master of Science in Physiotherapy (Dissertation)	MSc (Physiotherapy) (by dissertation)	1 yr	BC883900	11
Master of Optometry (Dissertation)	MOptom (by dissertation)	1 yr	BC880100	11
Doctoral Degrees				
Doctor of Dietetics	DDiet	2 yrs	BC895500	11
Doctor of Nutrition	DNut	2 yrs	BC895200	11
Doctor of Physiotherapy	DPhysio	2 yrs	BC895400	11
Doctor of Occupational Therapy	DOccTher	2 yrs	BC895300	11

SCHOOL OF CLINICAL MEDICINE / SCHOOL OF PATHOLOGY / SCHOOL OF BIOMEDICAL SCIENCES

Qualification	Abbreviation	Minimum Duration	Study Code	Page
Bachelor of Medical Science Honours Degrees				
Bachelor of Medical Science Honours Degrees: Rules				11
Bachelor of Medical Science Honours in Anatomy and Cell Morphology	BMedScHons (Anatomy and Cell Morphology)	1 yr	BC863000	12
Bachelor of Medical Science Honours in Chemical Pathology	BMedScHons (Chemical Pathology)	1 yr	BC863300	13
Bachelor of Medical Science Honours in Haematology and Cell Biology (<i>In abeyance</i>)	BMedScHons (Haematology and Cell Biology)	1 yr	BC863700	13
Bachelor of Medical Science Honours in Human Genetics	BMedScHons (Human Genetics))	1 yr	BC864100	13
Bachelor of Medical Science Honours in Human Molecular Biology	BMedScHons (Human Molecular Biology)	1 yr	BC864100	14
Bachelor of Medical Science Honours in Immunology (<i>In abeyance</i>)	BMedScHons (Immunology)	1 yr	BC863800	15
Bachelor of Medical Science Honours in Medical Microbiology and Virology	BMedScHons (Medical Microbiology and Virology)	1 yr	BC863900	15
Bachelor of Medical Science Honours in Medical Physics	BMedScHons (Medical Physics)	1 yr	BC863500	16
Bachelor of Medical Science Honours in Physiology	BMedScHons (Physiology)	1 yr	BC863600	17
Bachelor of Medical Science Honours in Pharmacology	BMedScHons (Pharmacology)	1 yr	BC863400	18

Qualification	Abbreviation	Minimum Duration	Study Code	Page
Master's Degrees				
Rules for the Master of Medicine MMed degrees				19
Master of Medicine in Anaesthesiology	MMed (Anaesthesiology)	4 yrs	BC870400	25
Master of Medicine in Anatomical Pathology	MMed (Anatomical Pathology)	4 yrs	BC870300	26
Master of Medicine in Cardiothoracic Surgery	MMed (Cardiothoracic Surgery)	5 yrs	BC871300	26
Master of Medicine in Chemical Pathology	MMed (Chemical Pathology)	4 yrs	BC870500	27
Master of Medicine in Clinical Pathology (<i>In abeyance</i>)	MMed (Clinical Pathology)	4 yrs	BC871500	28
Master of Medicine in Clinical Pharmacology	MMed (Clinical Pharmacology)	4yrs	BC870041	28
Master of Medicine in Community Health	MMed (Community Health)	4 yrs	BC873000	29
Master of Medicine in Dermatology	MMed (Dermatology)	4yrs	BC870700	30
Master of Medicine in Diagnostic Radiology	MMed (Diagnostic Radiology)	5 yrs	BC870800	30
Master of Medicine in Emergency Medicine	MMed (Emergency Medicine)	4 yrs	BC875500	31
Master of Medicine in Family Medicine	MMed (Family Medicine)	4 yrs	BC875300	32
Master of Medicine in Forensic Medicine	MMed (Forensic Medicine)	5 yrs	BC870900	34
Master of Medicine in Haematology	MMed (Haematology)	4 yrs	BC871000	35
Master of Medicine in Internal Medicine	MMed (Internal Medicine)	4 yrs	BC873300	36
Master of Medicine in Medical Genetics	MMed (Medical Genetics)	4 yrs	BC874200	36
Master of Medicine in Medical Microbiology	MMed (Medical Microbiology)	4 yrs	BC871600	37
Master of Medicine in Medical Virology	MMed (Medical Virology)	4 yrs	BC872900	37
Master of Medicine in Neurology	MMed (Neurology)	4 yrs	BC871800	38
Master of Medicine in Neurosurgery	MMed (Neurosurgery)	5 yrs	BC871700	38
Master of Medicine in Nuclear Medicine	MMed (Nuclear Medicine)	4 yrs	BC871400	39
Master of Medicine in Obstetrics and Gynaecology	MMed (Obstetrics and Gynaecology)	5 yrs	BC871900	40
Master of Medicine in Ophthalmology	MMed (Ophthalmology)	4.5 yrs	BC872100	41
Master of Medicine in Orthopaedic Surgery	MMed (Orthopaedic Surgery)	5 yrs	BC872200	41
Master of Medicine in Otorhinolaryngology	MMed (Otorhinolaryngology)	4 yrs	BC872300	42
Master of Medicine in Paediatrics	MMed (Paediatrics)	4 yrs	BC872400	42
Master of Medicine in Paediatric Surgery	MMed (Paediatric Surgery)	5 yrs	BC875400	43
Master of Medicine in Plastic Surgery	MMed (Plastic Surgery)	5 yrs	BC872500	43
Master of Medicine in Psychiatry	MMed (Psychiatry)	4 yrs	BC872600	44
Master of Medicine in Radiation Oncology	MMed (Radiation Oncology)	4 yrs	BC872700	45
Master of Medicine in Surgery	MMed (Surgery)	5 yrs	BC870600	45
Master of Medicine in Urology	MMed (Urology)	5 yrs	BC872800	46

Qualification	Abbreviation	Minimum Duration	Study Code	Page
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Master of Medical Science				50
Rules for the degree Master of Medical Science				50
Master of Medical Science with specialisation in Anatomy and Cell Morphology	MMedSc with specialisation in Anatomy and Cell Morphology	1 yr	BC883000	50
Master of Medical Science with specialisation in Anatomical Pathology (<i>In abeyance</i>)	MMedSc with specialisation in Anatomical Pathology	1 yr	BC883200	50
Master of Medical Science with specialisation in Biostatistics	MMedSc with specialisation in Biostatistics	1 yr	BC883100	50
Master of Medical Science with specialisation in Cardiothoracic Surgery	MMedSc with specialisation in Cardiothoracic Surgery	1 yr	BC884200	50
Master of Medical Science with specialisation in Chemical Pathology (<i>In abeyance</i>)	MMedSc with specialisation in Chemical Pathology	1 yr	BC883300	50
Master of Medical Science with specialisation in Clinical Radiology (<i>In abeyance</i>)	MMedSc with specialisation in Clinical Radiology	1 yr	BC884300	50
Master of Medical Science with specialisation in Critical Care (<i>In abeyance</i>)	MMedSc with specialisation in Critical Care	1 yr	BC884400	50
Master of Medical Science with specialisation in Haematology and Cell Biology	MMedSc with specialisation in Haematology and Cell Biology	1 yr	BC884700	50
Master of Medical Science with specialisation in Human Genetics (<i>In abeyance</i>)	MMedSc with specialisation in Human Genetics	1 yr	BC884500	50
Master of Medical Science with specialisation in Human Molecular Biology	MMedSc with specialisation in Human Molecular Biology	1 yr	BC884100	50
Master of Medical Science with specialisation in Immunology	MMedSc with specialisation in Immunology	1 yr	BC883800	50
Master of Medical Science with specialisation in Medical Microbiology	MMedSc with specialisation in Medical Microbiology	1 yr	BC884800	50
Master of Medical Science with specialisation in Medical Physics	MMedSc with specialisation in Medical Physics	1 yr	BC883500	50
Master of Medical Science with specialisation in Radiation Oncology (<i>In abeyance</i>)	MMedSc with specialisation in Radiation Oncology	1 yr	BC884600	50
Master of Medical Science with specialisation in Physiology	MMedSc with specialisation in Physiology	1 yr	BC883600	50
Master of Medical Science with specialisation in Pharmacology (Analytical/Clinical)	MMedSc with specialisation in Pharmacology (Analytical/Clinical)	1 yr	BC883400	50
Master of Medical Science with specialisation in Virology	MMedSc with specialisation in Virology	1 yr	BC884000	50
Master of Medical Science in Critical Care (<i>In abeyance</i>)	MMedSc (Critical Care) (Structured)	1 yr	BC873200	50
Doctoral Degrees				
Rules for Doctoral Degrees				51
Doctor of Philosophy (Clinical Medical Science)	PhD (Clinical Medical Science)	2 yrs	BC893000	51
Doctor of Philosophy (Pathology)	PhD (School of Pathology)	2 yrs	BC893100	51
Doctor of Philosophy (Biomedical Science)	PhD (Biomedical Science)	2 yrs	BC893200	51
Doctor of Medicine	DMed	2 yrs	BC890000	51
Doctor of Medical Science	DMedSc	2 yrs	BC894000	52

Qualification	Abbreviation	Minimum Duration	Study Code	Page
Postgraduate Diplomas				
Postgraduate Diploma in Medical Physics	PGDip (Medical Physics)	2 yrs	BC851300	53
Postgraduate Diploma in Clinical Pharmacology	PGDip (Clinical Pharmacology)	2 yrs	BC858212	54
Postgraduate Diploma in Transfusion Medicine (<i>In abeyance</i>)	PGDip (Transfusion Medicine)	1 yr	BC822300	54
Postgraduate Diploma in Diagnostic Radiography (<i>In abeyance</i>)	PGDip (Diagnostic Radiography)	2 yrs	BC820300	55
Postgraduate Diploma in Occupational Health (<i>In abeyance</i>)	PGDip (Occupational Health)	2 yrs	BC852000	56
Postgraduate Diploma in Community Health (<i>In abeyance</i>)	PGDip (Community Health)	2 yrs	8230	57
Postgraduate Diploma in Health Services Management (<i>In abeyance</i>)	PGDip (Health Services Management)	2 yrs	BC824000	58
Master of Philosophy				59
Master of Philosophy in Endocrinology	MPhil (Endocrinology)	2 yrs	BC870040	63
Master of Philosophy in Gastroenterology	MPhil (Gastroenterology)	2 yrs	BC870013	63
Master of Philosophy in Geriatric Medicine	MPhil (Geriatric Medicine)	2 yrs	BC870018	64
Master of Philosophy in Nephrology	MPhil (Nephrology)	2 yrs	BC870017	64
Master of Philosophy in Pulmonology	MPhil (Pulmonology)	2 yrs	BC871200	65
Master of Philosophy in Clinical Haematology	MPhil (Clinical Haematology)	2 yrs	BC870014	65
Master of Philosophy in Interventional Radiology(<i>In abeyance</i>)	MPhil (Interventional Radiology)	2 yrs	BC870015	65
Master of Philosophy in Paediatric Cardiology	MPhil (Paediatric Cardiology)	3 yrs	BC870016	66
Master of Philosophy in Paediatric Oncology	MPhil (Paediatric Oncology)	2 yrs	BC870019	67
Master of Philosophy in Gastroenterology Surgery	MPhil (Gastroenterology Surgery)	2 yrs	BC871100	68
Master of Philosophy in Trauma Surgery	MPhil (Trauma Surgery)	2 yrs	BC870021	68
Master of Philosophy in Vascular Surgery	MPhil (Vascular Surgery)	2 yrs	BC870020	69
Master of Philosophy in Critical Care	MPhil (Critical Care)	2 yrs	BC870012	69
Master of Philosophy in Neonatology	MPhil (Neonatology)	2 yrs	BC870022	70
Master of Philosophy in Infectious Diseases	MPhil (Infectious Diseases)	2 yrs	BC877900	70

SCHOOL OF NURSING

Qualification	Abbreviation	Minimum Duration	Study Code	Page
Master's Degrees				
Master of Nursing (Dissertation)	MNur	2 yrs	BC882000	71
Doctoral Degrees				
Doctor of Philosophy in Nursing	PhD(Nursing)	2 yrs	BC892100	72

HEALTH SCIENCES EDUCATION

Qualification	Abbreviation	Minimum Duration	Study Code	Page
Postgraduate Diploma				
Postgraduate Diploma in Health Professions Education	PGDip (Health Professions Education)	1 yr	BC850200	72
Master's Degree				
Master of Health Professions Education	MHProfEdu (by coursework and mini-dissertation)	1 yr	BC870200	73
Doctoral Degree				
Doctor of Philosophy in Health Professions Education	PhD (Health Professions Education)	2 yrs	BC895100	75
SUMMARY OF OLD AND NEW MODULE CODES				75

CONTACT PERSONS

If you have queries regarding any of the postgraduate programmes, you may contact one of the following persons:

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Important:

- (1) Please indicate your student number on all correspondence to the university
- (2) Please update your personal details in case of any changes

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DEFINITIONS

Refer to the UFS General Rules 2021 for the additional definitions of terms to ensure clarity and uniform interpretation.

ABBREVIATIONS

CMSA - Colleges of Medicine of South Africa

EXCO - Executive Committee

FCOG - Fellowship of the College of Obstetricians and Gynaecologists

FHS - Faculty of Health Sciences

HOD - Head of Department

HPCSA - Health Professions Council of South Africa

HSREC - Health Sciences Research Ethics Committee

OSCA - Objective structured clinical assessment

OSCE - Objective structured clinical examination

OSPE - Objective structured practical examination

SoHRS - School of Health and Rehabilitation Sciences

TALPS - Test of Academic Literacy for Postgraduate Students

TRREE - Training and Resources in Research Ethics Evaluation

UFS - University of the Free State

RULES

Although the information in the Rule Book is as accurate as possible, the UFS does not accept any responsibility for any inaccuracies.

The UFS General Rules apply *mutatis mutandis* to this faculty.

The assessment rules outlined in the UFS General Rules apply to the postgraduate students in the FHS as well.

Besides the degrees and diplomas the university may introduce in the future; the following degrees and diplomas can be obtained in the FHS:

No disclosure of marks, student information, or students' performance will be discussed with parents or other third parties without written permission by the student to protect the student's personal information.

SCHOOL OF HEALTH AND REHABILITATION SCIENCES

For details of rules for Master's and Doctoral studies in the School of Health and Rehabilitation Sciences, please refer to the School of Health and Rehabilitation sciences undergraduate and postgraduate Rule Book. https://apps.ufs.ac.za/dl/yearbooks/388_yearbook_eng.pdf

Qualification	Abbreviation	Minimum Duration	Study Code
Master's Degrees			
Master of Occupational Therapy	MOccTher (by dissertation)	1 yr	BC887000
Master of Science in Dietetics	MSc (Dietetics) (by dissertation)	1 yr	BC888000
Master of Nutrition	MNutr (by dissertation)	1 yr	BC888100
Master of Science in Physiotherapy (Dissertation)	MSc (Physiotherapy) (by dissertation)	1 yr	BC883900
Master of Optometry (Dissertation)	MOptom (by dissertation)	1 yr	BC880100
Master of Biokinetics*			
Doctoral Degrees			
Doctor of Dietetics	DDiet	2 yrs	BC895500
Doctor of Nutrition	DNut	2 yrs	BC895200
Doctor of Physiotherapy	DPhysio	2 yrs	BC895400
Doctor of Occupational Therapy	DOccTher	2 yrs	BC895300

SCHOOL OF CLINICAL MEDICINE / SCHOOL OF PATHOLOGY / SCHOOL OF BIOMEDICAL SCIENCES

BACHELOR OF MEDICAL SCIENCE HONOURS

Minimum 120 Credits

BMedScHons

Rule MGH1 RULES FOR THE DEGREE BACHELOR OF MEDICAL SCIENCE HONOURS

Rule MGH1.1 Admission requirements

Admission may be subject to selection.

A student must comply with both the stipulations of the UFS General Rules for Bachelor Honours degrees and the rules of the FHS.

At registration for the degree BMedScHons (Medical Physics), it is required for any student to register with the Health Professions Council of South Africa as intern medical physicist. Registration as medical physicist occurs after obtaining the BMedScHons qualification and at least two years' appropriate training in a university-bound training unit recognised by the HPCSA and under supervision of a registered medical physicist, provided that of the two years training, one year may take place while the person is enrolled for an honours or higher degree.

Rule MGH1.2 Duration of programme

If the module is offered in Anatomy and Cell Morphology, Chemical Pathology, Pharmacology, Medical Physiology, Human Molecular Biology, Human Genetics, Microbiology, and Medical Physics on a part-time basis, the study must extend over at least two academic years, otherwise the module may be completed in one year.

The degree BMedScHons may be obtained in the following disciplines:

1. Anatomy & Cell Morphology	6 Immunology (<i>In abeyance</i>)
2. Chemical Pathology	7. Medical Microbiology/Virology
3. Haematology & Cell Biology (<i>In abeyance</i>)	8. Medical Physics
4. Human Molecular Biology	9. Medical Physiology
5. Human Genetics (<i>In abeyance</i>)	10. Pharmacology

1. Anatomical Pathology (*In abeyance*) Study code 8531

(i) Admission requirements

BMedSc or equivalent qualification with appropriate discipline content.

(ii) Curriculum

1. Laboratory technique
2. Histochemistry and Immunohistology
3. Electron Microscopy
4. Mechanisms of Basic Pathology

(iii) Assessment

Assessment of the prescribed disciplines is conducted as follows:

One three-hour written paper	MANP6800	120 credits
Practical		
One oral assessment.		

(iv) Pass requirements

See UFS General Rules.

2. Anatomy and Cell Morphology Study code BC863000

(i) Admission requirements

An appropriate Bachelor's Degree or equivalent qualification with appropriate curriculum composition is required for admission to the degree BMedScHons on the understanding that the student may be required to do additional work. Admission is subject to selection, and the applicant must contact the postgraduate subject head of Human Anatomy and Cell Morphology. Students will be selected after a personal interview and assessment of academic merits.

Topics include Applied and Comparative Anatomy, Embryology, Biological Anthropology and Histology.

(ii) Curriculum

1. ANHG6808	<i>Capita Selecta</i>	32 credits
2. ANHC6808	<i>Capita Selecta</i>	32 credits
3. ANHS6808	<i>Capita Selecta</i>	32 credits
4. ANHP6808	<i>Capita Selecta</i>	32 credits

A student must complete a module/course in Research Methods and Principles to the satisfaction of the Head of Department.

(iii) Assessment

One three-hour examination is written in each of the following modules ANHG6808 and ANHC6808. A student must submit an assignment(s) dealing with an approved project(s) in the ANHS6808 and ANHP6808 module(s), at least one month before the commencement of the assessment(s) concerned. The mark obtained in the respective assignment(s) will form part of the pass mark for the specific module as specified in the module guide.

(iv) Pass requirements

See UFS General Rules.

3. Chemical Pathology Study code BC863300

(i) Admission requirements

BMedSc in Biochemistry and Physiology or an equivalent qualification on the understanding that the student may be required to do additional work.

(ii) Curriculum

1. Advanced Human Biochemistry
2. Chemical Pathology
3. Laboratory Practice including molecular techniques

(iii) Assessment

MCHD6800 120 credits

Two three-hour assessment papers

One practical assessment

One oral assessment

One mini-dissertation

(iv) Pass requirements

See UFS General Rules.

4. Haematology and Cell Biology (*In abeyance*) Study code BC863700

(i) Admission requirements

BMedSc or an equivalent qualification with appropriate curriculum composition.

(ii) Curriculum

Semester 1:

MHEM6810	Erythrocyte and Leukocyte Defects and Assessments	15 credits
MHEH6810	Haemostasis	15 credits
MHEI6810	Immunohaematology and Haemolytic Anaemia	15 credits

Semester 2:

MHEM6820	Erythrocyte and Leukocyte Defects and Assessments	15 credits
MHEH6820	Haemostasis	15 credits
MHEI6820	Immunohaematology and Haemolytic Anaemia	15 credits
MHER6800	Haematology Research Report	30 credits

Syllabus

- (a) Basic Research Principles
- (b) Submission of a research report in consultation with the HOD concerned
- (c) Only one module per semester may be offered, with the exception of MHEP6800 (Haematology project), which may be submitted at any time.

(iii) Assessment

Two written papers

One practical assessment

One oral assessment per semester

(iv) Pass requirements

See UFS General Rules.

5. Human Genetics Study code BC864100

(i) Admission requirements

- BMedSc, BSc or equivalent qualification with an applicable curriculum. Please note that no degree with substantial credit bearing experiential training modules (e.g., Integrative Medical Laboratory Sciences Practical or Clinical Practice modules) will be considered as an equivalent qualification.
- An average of at least 60% is required in each third-year major discipline.
- Admission is subject to selection, taking into account appropriate undergraduate disciplines as well as academic performance. The applicant must contact the Head of Human Genetics.
- The honours degree in Human Genetics includes three compulsory modules, MHGM6800, MHGC6800 and MHGR6800.

(ii) Curriculum

- MHGM6800
Module 1 - Diagnostic Molecular Genetics
Module 2 - Diagnostic Cancer Genetics
- MHGC6800
Module 3 - Diagnostic Cytogenetics and Fluorescent *in situ* Hybridization
Module 4 - Introductory course into Genetic Counselling
- MHGR6800.
Module 5 - Research Literature study
Module 6 - Research Project
- Participation in the academic programme of Human Genetics and attendance of lectures and seminars in other departments as determined by the head of Human Genetics is required.

(iii) Module outline

MHGM6800	Modules 1 and 2	40 credits
MHGC6800	Modules 3 and 4	40 credits
MHGR6800	Modules 5 and 6	40 credits

(iv) Assessment (MHGM6800, MHGC6800, and MHGR6800)

Two written papers (MHGC6800 and MHGM6800)

Research report, seminar, and oral assessment (MHGR6800)

- MHGM6800 is assessed through assignments as well as a three-hour examination.
- MHGC6800 is assessed through assignments as well as a three-hour examination.
- MHGR6800 is assessed by a written scientific report as well as an oral presentation.

(v) Pass requirements

See General Rules of the UFS.

6. Human Molecular Biology Study code BC864100

(i) Requirements

- BMedSc, BSc or equivalent qualification with an applicable curriculum. Please note that no degree with substantial credit-bearing experiential training modules (e.g. Integrative Medical Laboratory Sciences Practical or Clinical Practice modules) will be considered as an equivalent qualification.
- Admission is subject to selection, and the applicant must contact the subject head of Human Molecular Biology.
- The honours degree in Human Molecular Biology includes three compulsory modules (MBGT6804, MBGP6816 and MBGR6828) and three modules of choice, selected in consultation with the subject head from the list below. All modules of choice have three-hour examination papers. A written scientific paper and an oral presentation are required for MBGP6816 and MBGR6828. MBGC6814 and MBGS6824 are *Capita Selecta* modules that can be taken after consultation with and approval by the subject head of Human Molecular Biology.

(ii) Curriculum

The modules start on a date determined by the subject head.

Compulsory modules

MBGT6804	Research Techniques	16 credits
MBGP6816	Research: Literature study	24 credits
MBGR6828	Research Project	32 credits

Modules of choice

MBGM6814	Diagnostic Molecular Biology	16 credits
MBGI6814	Applications of Molecular Biology in Immunology	16 credits
MBGH6814	Applications of Molecular Biology in Haemostasis	16 credits
MBGC6814	<i>Capita Selecta</i>	16 credits
MBGS6824	<i>Capita Selecta</i>	16 credits

(iii) Assessment

- MBGT6804 is assessed through assignments as well as a three-hour examination.
- MBGP6816 and MBGR6828 are assessed in a written scientific report as well as an oral presentation.
- MBGM6814, MBGI6814, and MBGH6814 are assessed in written assignments and practical as required as well as a three-hour examination paper.
- MBGC6814 and MBGS6824 are assessed according to the individual stipulations of the module.

(iv) Pass requirements

See General Rules of the UFS.

7. Immunology (*In abeyance*) Study code BC863800

(i) Admission requirements

BMedSc or an equivalent qualification with appropriate curriculum composition.

(ii) Curriculum

MIMI6800	Immunohaematology	60 credits
MIMH6800	Humeral and Cellular Immunology	60 credits
MIMC6800	Laboratory and Clinical Immunology	60 credits
MIMP6800	Immunology project	60 credits

Syllabus

- Basic research principles
- Submission of a Research Report in consultation with the HOD concerned.

Only one module per semester may be offered, with the exception of MIMP6800 (Immunology project), which may be submitted at any time.

(iii) Assessment

(MIMI6800; MIMH6800; MIMC6800)

Two written papers.

One practical assessment, and

one oral assessment per semester.

(iv) Pass requirements

See UFS General Rules.

8. Medical Microbiology and Virology Study code BC863900

(i) Admission requirements

- A BSc degree or equivalent qualification with an applicable curriculum which includes Microbiology, preferably obtained with a minimum average of 65% for the first major at third-year level. A minimum average of 65% in the second major discipline will be to the advantage of prospective applicants.
- Admission is subject to selection, and the applicant must contact the Department of Medical Microbiology or the Division of Virology for application forms.
- A limited number of students per year will be selected for admission to the degree based on undergraduate academic achievement, availability of supervisory staff and an interview if requested by the department.

(ii) Curriculum

Students must complete six modules which include five compulsory modules and one module of choice that will be selected in consultation with the course leader. MMKC6804 is a *Capita Selecta* module that may be selected in the place of one of the other modules of choice only after consultation with and approval by the course leader in Medical Microbiology/Virology. The course commences on a date determined by the course leader.

Compulsory modules

MMKT6804	Research Techniques	16 credits
MMKP6804	Research: Project proposal/literature study	16 credits
MMKR6800	Research Report	40 credits
MMKM6804	Current research in Medical Bacteriology	16 credits
MMKV6804	Current research in Virology	16 credits

Modules of choice

MBGM6814	Diagnostic Molecular Biology	16 credits
MBGI6814	Applications of Molecular Biology in Immunology	16 credits
MMKC6804	<i>Capita Selecta</i>	16 credits

(iii) Assessment

- MMKT6804, MMKM6804, MMKV6804, MBGM6814, MBGI6814 and MMKC6804 are assessed according to the individual stipulations of the module.
- MMKP6804 is assessed by a written proposal and oral presentation.
- MMKR6800 is assessed by a written Research Report and oral presentation.

(iv) Pass requirements

See UFS General Rules.

9. Medical Physics Study code BC863500

(i) Admission requirements

A student must have a BMedSc (Radiation Sciences) or equivalent BSc degree with appropriate discipline content to qualify for admission to the honours degree. Admission will be subject to selection. The HOD may grant permission for admission to the honours degree in exceptional cases. The programme commences mid-January, and students must apply for admission to the HOD before 30 September of the previous year.

(ii) Curriculum

Module

First Semester

MPRS6814	Radiation Physics	16 credits
PHYD6804	Quantum Mechanics	16 credits
PHYB6804	Semiconductors	16 credits
MATN6814	Digital Image Processing	16 credits
MPRS6808	Research in Medical Physics	32 credits

Second Semester

MPRS6824	Medical Physics for Diagnostic Radiology	16 credits
MPRS6844	Medical Physics for Nuclear Medicine	16 credits
MPRS6864	Radiation Treatment Planning	16 credits
MPRS6884	Radiation Treatment Modalities	16 credits
PHYE6834/44	Electronics	16 credits

(iii) Duration of programme

One year if followed full-time, or two years if followed part-time.

(iv) Assessment

One three-hour assessment paper at the end of the semester in each module.

Admission to assessment opportunity

To gain admission for the assessment, a minimum module mark of 40% is required in modules MPRS6814, MPRS6808, MPRS6824, MPRS6844, MPRS6864, and MPRS6884.

Composition of module marks for modules MPRS6814, MPRS6808, MPRS6824, MPRS6844, MPRS6864, and MPRS6884.

A student's written, oral and/or practical work conducted during the module contribute to the module mark. Details of the composition of the module mark are included in the individual module guides.

Calculation of marks

Both the module mark and the assessment mark contribute 50% to the final combined mark.

(v) General rules with regard to MPRS6814, MPRS6808, MPRS6824, MPRS6844, MPRS6864, and MPRS6884

Students are required to utilise the first assessment opportunity for all modules offered in the School of Clinical Medicine. Students can only qualify for participation in the second opportunity if they have participated in and qualified for the first opportunity.

(vi) Pass requirements

See UFS General Rules.

(vii) Re-assessment

See UFS General Rules.

The UFS General Rules A53.4 only apply if the student:

- (i) Had been admitted to the assessment opportunity (i.e. had obtained a module mark of at least 40%).
- (ii) Had obtained at least 30% in the outstanding module during the assessment opportunity.

Elucidation:

A student who wishes to register as medical physicist with the HPCSA must obtain practical experience in Clinical Medical Physics as prescribed by the HPCSA in addition to the degree BMedScHons.

If the honours programme is taken full time, an additional in-service training of two years is required before a student can register with the HPCSA.

If the honours course is done on a part-time basis and practical experience in Clinical Medical Physics is gained at the same time, one-year additional in-service training is required before registration with the HPCSA can take place.

10. Medical Physiology Study code BC863600

(i) Admission requirements

- (a) The BMedSc/BSc or equivalent qualification with Physiology as major discipline.
- (b) Admission is subject to selection and the applicant must contact the postgraduate subject head of Human Physiology. Students will be selected after a personal interview and assessment of academic merits.

(ii) Curriculum

PHHG6808	General Physiology	32 credits
PHHC6808	<i>Capita Selecta</i> from the discipline Physiology	32 credits
PHHS6808	Seminars on Physiology	32 credits
PHHP6808	A practical laboratory assignment with a report or a seminar on the theory of specific biological laboratory techniques	32 credits

(iii) Assessment

Part I

PHHG6808

The basic aspects of the entire field of study or as defined by the HOD. (One three-hour assessment paper.)

Part II

PHHC6808

Attending scheduled postgraduate discussions and interpreting knowledge gained. (One three-hour assessment paper.)

Part III

PHHS6808

The field covered by seminars on Physiology as interpreted by the student. (One three-hour assessment paper.)

Part IV

PHP6808

The field covered by practical laboratory work or the theory of specific biological laboratory techniques as relevant. (One oral assessment of 30 minutes.)

Elucidation

- (a) The postgraduate subject head briefs the student regarding assignments.
- (b) A typed report and/or seminars must be submitted to the postgraduate subject head at least one month prior to the assessment.

(iv) Pass requirements

See UFS General Rules.

11. Pharmacology (Analytical/Clinical) Study code BC863400

(i) Admission requirements

BSc or an equivalent qualification.

(ii) Curriculum

- Medical Pharmacology
- Applied Pharmacology
- Pharmacological Research Methods
- Mini-dissertation

Each student will submit and undertake a pharmacology research project under the supervision of a staff member. The research project, preferably original, but not necessarily so, may deal with any aspect of pharmacology as recommended by the HoD.

(iii) Assessment

MFRM6800 120 credits

Assessment occurs as a continuous process, and the final mark will be calculated by proportional marks obtained from progressive assessments as well as marks obtained in the mini-dissertation. The contribution to the final marks will be as follows:

- | | |
|---|-----|
| (i) Medical Pharmacology (at least 4 tests of 2 hours each) | 25% |
| (ii) Applied Pharmacology (at least 2 tests of 2 hours each) | 10% |
| (iii) Research Methods (at least 4 tests of 2 hours each) | 25% |
| (iv) Mini-dissertation (including defending against scrutiny by an external assessor) | 40% |

(iv) Pass requirements

See UFS General Rules.

MMed

Rule MGH2 RULES FOR THE MASTER OF MEDICINE DEGREE

A student must comply with both the stipulations of the UFS General Rules for Masters’ degrees and the Rules of the Faculty of Health Sciences (FHS).

In accordance with the rules and regulations of the HPCSA, all students who commenced training after 1 January 2011 must pass the final professional examinations (final specialist examinations) of the HPCSA as contracted to the CMSA at present. The resulting mark will then constitute the outcome mark of the final MMed examinations. NAMB7900 will still be evaluated separately, and a percentage mark is allocated.

Postgraduate students are appointed after a selection process as stipulated and according to guidelines as determined from time to time. The applicable guidelines and prerequisites for the individual disciplines are available from the Postgraduate Administration office of the FHS.

Rule MGH2.1 Disciplines

The degree may be obtained in the following disciplines:

1. Anaesthesiology	12. Forensic Medicine	22. Ophthalmology
2. Anatomical Pathology	13. Haematology	23. Orthopaedic Surgery
3. Cardiothoracic Surgery	14. Internal Medicine	24. Otorhinolaryngology
4. Chemical Pathology	15. Medical Genetics	25. Paediatrics
5. Clinical Pathology	16. Medical Microbiology	26. Paediatric Surgery
6. Clinical Pharmacology	17. Medical Virology	27. Plastic Surgery
7. Community Health	18. Neurology	28. Psychiatry
8. Dermatology	19. Neurosurgery	29. Radiation Oncology
9. Diagnostic Radiology	20 Nuclear Medicine	30. Surgery
10. Emergency Medicine	21. Obstetrics & Gynaecology	31. Urology
11. Family Medicine	22. Ophthalmology	

Rule MGH2.2 Admission requirements

The following applies for students before registering for the MMed degree:

- The student must be in possession of the MBChB degree from the UFS for a period of at least three years, or a cognate qualification deemed equivalent by the UFS.
- The student must be fully registered as a medical practitioner with the HPCSA for independent practice in terms of the Health Professions Act no. 56 of 1974.
- In the case of supernumerary appointments of foreign students who are not fully registered with the HPCSA, each case will be dealt with on merit according to prescriptions of the HPCSA. The foreign students register as postgraduate students at the HPCSA. If successful, these students may obtain a degree, but will not be able to practise in South Africa without approval and registration by the HPCSA.
- After a selection process, postgraduate students are appointed in a training post (registrar) by the FSDOH as defined by and according to guidelines. The applicable process and rules are available at the postgraduate administration office of the FHS. Training commences after the student has been appointed in the above-mentioned post and after he/she has received an HPCSA training number from the Postgraduate Administrative Office of the FHS.
- General requirements per discipline

Discipline	Minimum Requirement	Added Advantage
Anaesthesiology	Diploma in Anaesthesiology – DA(SA)	Research experience Successfully passed BLS, ACLS, ATLS and/or PALS course. Passed Primary Examination / FCA(SA) Part I
Cardiothoracic surgery	Primary – FCS(SA) Primary, ATLS, 6 months experience in General Surgery ICU	
Clinical Pharmacology	A postgraduate diploma in Clinical pharmacology (UFS Study code 8212) or training and experience deemed equivalent	
Community Health Medicine		Previous research experience or previous public health training such as PG Diploma or MPH
Dermatology	6-12 months experience in Internal Medicine as a Medical Officer	Dermatology experience A topic for research
Diagnostic Radiology	Passed FC Rad Diag(SA) Part I. At least 12 months clinical experience post community service	Time spent working in Diagnostic Radiology Ultrasound proficiency or workshops completed ACLS
Emergency Medicine		6 months experience in an Emergency Department Successfully passed BLS, ACLS, ATLS and/or PALS course
Family Medicine		Experience in PHC service delivery or rural service delivery
Forensic Medicine		Dip For Med (SA) (Path) or Dip For Med (SA) (Clin Path)
General Surgery	Primary - FCS(SA) Primary	Successfully passed BLS and/or PALS course Basic Surgical Skills
Internal Medicine	Primary –FCP(SA) Part (I)	
Medical Genetics		6 months experience in Paediatrics
Neurology	Primary - FC Neurol(SA) Part 1 examination, Minimum 6 months experience in Internal Medicine as a Medical Officer	
Neurosurgery	MBChB passed with >60% . Neurosurgery experience/ Intermediate/ATLS/ Part 1 FC(Neurosurg) CMSA	ATLS
Nuclear Medicine	MBChB passed with >60% . Primary	ACLS OET(Occupational English Test)
Obstetrics and Gynaecology	FCOG(SA) Part 1A and Part 1B (full) or Diploma in Obstetrics with either FCOG(SA) Part1A or Part 1B >6 months Obstetrics &Gynaecology experience is mandatory	

Ophthalmology	FC Ophth(SA) Part 1A (Primary), 6 months experience in Ophthalmology as a Medical Officer	FC Ophth(SA) Part 1B (intermediate) or Diploma in Ophthalmology – Dip Ophth(SA)
Orthopaedic Surgery	FCS(SA) Primary	ATLS, 12 months experience in Orthopaedics
Othorhinolaryngology	At least 12 months experience in a Surgical discipline or ICU FCORL (SA) Primary or FCS (SA) Intermediate	FCORL (SA) Primary, FCS (SA) Intermediate
Paediatrics & Child Health	At least 6 months experience post Community Service in a regional hospital or Diploma in Child Health – DCH(SA) and FC Paed(SA) Part I	
Paediatric surgery	Primary, FCS(SA) Primary Successfully passed BESST, BLS, APLS and/or PALS course Basic surgical skills	Experience in general surgery
Plastic Surgery	Primary – FCS(SA) Primary Intermediate – FCS(SA) Intermediate exams	Research record/ Published articles/ Microsurgical certification
Psychiatry		Diploma in mental health – DMH(SA), FC Psych(SA) Part I
Radiation Oncology	MBChB passed with >60% .	BLS Proof of research experience Empathetic nature Exposure to Oncology or palliative care
Urology	FCS (SA) primary	FCS (SA) Intermediate 12 months experience in Urology as Medical Officer 12 months experience in General Surgery after Community Service Diploma in General Surgery -HDip Surg(Surg) At least 12 months post Community Service ATLS, APLS or ACLS

Elucidation:

- (i) The student registers in the first year of the MMed programme at the FHS as a postgraduate student and is allocated a student number.
- (ii) For **four-year MMed programmes** the student must simultaneously register at the HPCSA as registrar in training and is allocated a HPCSA board number. The last two years of the programme must be completed without interruption of registration at the UFS.
- (iii) For **five-year MMed programmes** the student must register with the UFS as a postgraduate student in the first year of the MMed programme and is simultaneously appointed as registrar in a relevant department at the Academic Hospital Complex/NHLS. The student does not register as registrar in training at the HPCSA but as an independent medical practitioner, even though he/she is appointed in a registrar post by the employer. The reason for this is that the UFS requires five years for training whereas the HPCSA does not make provision for five-year programmes – it regards all postgraduate programmes as four-year programmes. To overcome the aforementioned, students in five-year programmes register at the HPCSA only from their second year. By implication, a student following a five-year programme is registered for five years at the UFS and for four years (from the second year of study) as a registrar at the HPCSA. The last three years of the programme must be completed without interruption of registration at the UFS.
- (iv) For **MMed Ophthalmology**, a student registers with the UFS as a postgraduate student in the first year of the MMed programme and is simultaneously appointed as registrar in the relevant department at the Academic Hospital Complex. The student does not register as registrar in training at the HPCSA but as an independent medical practitioner, even though he/she is appointed in a registrar post by the employer. The reason for this is that the UFS requires four and a half years for training whereas the HPCSA does not make provision for four and a half years – it sees all postgraduate programmes as four-year programmes. To overcome the aforementioned, a student in Ophthalmology registers as a registrar at the HPCSA only after six months in a registrar post. By implication, a student in the Ophthalmology programme is registered for four and a half years at the UFS and for four years at the HPCSA. The last three years of the programme must be completed without interruption of registration at the UFS.
- (v) After the first year, the student must register annually at the beginning of each year as a postgraduate student at the UFS and as registrar with the HPCSA as described above.
- (vi) If the student is not appointed to the post of registrar and discontinues the MMed programme, class fees will not be refunded.
- (vii) In circumstances where extended leave for illness (for more than one month per year, including incapacity leave or pregnancy) is granted, additional time will be added at the end of the training period to allow for adequate training and as prescribed by the HPCSA from time to time.

Rule MGH2.3 Recognition of training received at another recognised institution

1. Possible exemption for **four- and five-year** programmes, on the basis of comparable training and experience gained at another recognised institution in a training position with an HPCSA number, could be granted by the UFS in respect of the training and labour.
The maximum admissible period of exemption at another recognised institution is 24 months.
2. For MMed programmes over **five years**, exemption of a one-year residency is subject to the following conditions:
 - (i) In special cases of merit;
 - (ii) With proof of sufficient experience; and
 - (iii) With recommendation of the HoD and approval of the EXCO of the relevant school, and approval by the Faculty Management.

Elucidation:

- (i) Special merit in this case refers to periods of training spanning at least 12 months and for at least six months continuously at an accredited institution, division, or department as a medical officer. The mentioned period of training must have taken place within the past two years before registering as a postgraduate student.
- (ii) Sufficient experience must be proven by means of a portfolio/logbook and endorsement by the head of the division or department where experience was gained. The aforementioned information of a currently registered student must then be assessed and approved by the HoD as equal to the first year of training in the discipline as a registrar.
- (iii) Applications for exemption of residency time must be submitted not before 24 months and not later than 30 months after registration as a postgraduate student¹. Additional requirements to apply for exemption of residency time are as follows: Completion of NAMA7903, MGPV7900, and primary examination and after obtaining HSREC approval for the NAMB7900 research protocol. No applications will be considered without compliance to the aforementioned.
- (iv) Subsequent final approval must be obtained by the HPCSA

¹ Late application may make it impossible to complete all the rotations in time.

Rule MGH2.4 Duration of programme

- The duration of training extends over four- or five years full time, depending on the requirements of the discipline under which the major module falls (see Rule MGH2.6).
- Upon appointment and annually thereafter, registrars must register both as a student at the UFS and as a registrar with the HPCSA. Read in conjunction with Rule MGH2.2 Elucidation (ii) (iii) and (iv).

Rule MGH2.5 Clinical experience

The HPCSA recognises only a registrar post as a training post.

Rule MGH2.6 Curriculum

The curriculum for the various disciplines in which the student may obtain the MMed degree comprises the compulsory modules mentioned in Rule MGH2.6.1, as well as the discipline-specific curriculum relevant major modules, basic modules and subsidiary modules as set forth in Rule MGH2.6.2.

Rule MGH2.6.1 General curriculum compulsory for all disciplines

A. Research component *76 Credits*

The research component of the MMed programme comprises of two sections, namely Research Methodology (NAMA7903) and mini-dissertation (NAMB7900):

NAMA7903 Research Methodology

Research Methodology comprises of two parts namely

- Part A - Theoretical component (attendance plus successful completion of assignments)
- Part B - HSREC approval for the research protocol

Elucidation:

Successful completion of NAMA7903 entails the following:

- A minimum attendance rate of 75% is required.
- Pass Ethics online modules 1 and 3.1 of TRREE.
- A pass mark for two of three assignments (Only one assignment can be passed on a second attempt).
- The theoretical component of Research Methodology (NAMA7903) must be successfully completed **within the first 12 months** after registration as a student, and HSREC approval of the research protocol for NAMB7900 must be obtained **within 24 months** after registration as a student.
- A student who does not comply with these conditions cannot continue with the MMed programme without written approval. Only in **exceptional circumstances** may the HoD submit a written recommendation, together with an academic progress report compiled by the postgraduate administration office, to the EXCO of the relevant school. Following the aforementioned, the head of the relevant school will make a formal written recommendation to the Dean to request permission to continue with the programme. A student may only continue with the MMed programme with written approval from the Dean.

NAMB7900 Mini-dissertation

In order to be admitted to NAMB7900 (Mini-dissertation), a student must have successfully completed Research Methodology (NAMA7903).

Please note:

MMed (Community Health) - Study Code BC873000: Module code for the mini-dissertation MVKS7900

MMed (Family Medicine) - Study Code BC875300: Module code for the mini-dissertation MRPD7900

(The same rules pertaining to module NAMB7900 applies to modules MVKS7900 and MRPD7900.)

Elucidation:

- The MMed Research Report comprises one of the following:
 - Original research
 - Systematic review or meta-analysis
- For all disciplines, the protocol for the mini-dissertation (NAMB7900) must be approved by the HSREC. A copy of the final approval (as well as applicable Department of Health/NHLS/institutional) approval must be submitted to the postgraduate administration office together with a timeframe for completion of NAMB7900.

(iii) Mode of presentation [UFS General Rule A75]

The manuscript submitted for assessment should be in one of the following formats:

- Mini-dissertation (20 000 – 30 000 words)
 - Publishable manuscript (accompanied by a literature review – between 3000 and 4000 words)
 - Published article in a peer-reviewed DHET accredited journal to be submitted in the same format as the publishable manuscript.
- (iii) (iv) Disciplines individually determine which mode of presentation is appropriate.
- (iv) [UFS General Rule A74 (iii) (aa)]: An introduction and a conclusion must form part of the research work that has been done by the student when publishable manuscripts/published articles are submitted in the place of a mini-dissertation. (Guidelines on mode of presentation are available from the postgraduate administration office.)
- (v) (vi) The mini-dissertation/publishable manuscript/published article have to be submitted for assessment prior to registration for the final exit examination. A student who has not submitted the mini-dissertation/publishable manuscript/published article may not register for the final exit examination. Only in exceptional circumstances may the HoD submit a written recommendation, together with an academic progress report compiled by the postgraduate administration office, to the EXCO of the relevant school for permission to register for the final exit examination.

Assessment:

- (i) All UFS General Rules pertaining to the assessment of the mini-dissertation/publishable manuscript/published article of the professional coursework Master's Degree applies.
- (ii) The mini-dissertation/publishable manuscript/published article has to be assessed by two assessors, of which at least one has to be an external assessor.
- (iii) The Supervisor, in collaboration with the HoD, will be responsible for nominating either one external (a person not affiliated with the UFS, however, affiliated with another tertiary institution and regarded as an expert in the field) and one internal assessor (who must not be either the supervisor or co-supervisor), or two external assessors (persons not affiliated with the UFS, however affiliated with another tertiary institution and regarded as experts in the field) for the assessment of the mini-dissertation/publishable manuscript/published article.
- (iv) As soon as the supervisor has indicated that the student is ready to submit, the HoD should supply the postgraduate administration office with the names and contact details of the nominated assessors, after which the postgraduate administration office will officially notify the assessors of their nomination.
- (v) The mini-dissertation/publishable manuscript/published article must be submitted to the postgraduate administration office who will then forward the documents to the assessors. All assessors' reports, mark sheets and communication must be submitted via the postgraduate administration office.
- (vi) The mini-dissertation/publishable manuscript/published article (NAMB7900) must be passed individually in order for the MMed degree to be conferred. The HPCSA will be notified of compliance with the research component of the MMed degree with this mark in order to register as specialist.
- (vii) The student can only be signed off (for UFS and HPCSA purposes) once residency time has been completed; the final exit examination has been passed, and the mini-dissertation has been passed, and corrections to the research manuscript have been completed. Refer to UFS General Rule A83.9 (d).

B. Health Care Practice Attendance

MGPV7900 Health Care Practice

Elucidation:

- (i) An attendance rate of 100% is required.
- (ii) (ii) Before the MMed degree can be obtained a student must pass module MGPV7900 by means of attendance.
- (iii) (iii) Medical ethics and rights, patient communication, practice management, information systems, relevant policy and orientation could be included in the syllabus.
- (iv) (iv) MGPV7900 must be completed within the **first 24 months after registration** as a student.

C. Continuous assessment Competent

CAMO7900 Continuous Assessment

A student must be found competent following continuous departmental formative and summative clinical and academic assessment. The Head of Department must confirm that the student is competent prior to admission to the CMSA Part II (final) examination.

Elucidation:

- (i) Continuous assessment with appropriate feedback is done by the relevant department throughout the course of the training as per HPCSA guidelines. External assessment could be involved.

Rule MGH2.6.2 Discipline-specific curricula

Professional portfolio/logbook:

A professional portfolio of evidence must be kept, which includes all academic and clinical activities, and this should include a logbook of procedures performed.

Formal assessment of the portfolio/logbook will be done bi-annually as per HPCSA requirement.

The curricula of the various disciplines in which the MMed degree can be obtained comprise of the compulsory modules mentioned in Rule MGH2.6.1 as well as the relevant major module, basic modules, and subsidiary modules as outlined in Rule MGH2.6.2.

The syllabi of each discipline are compiled as such that the MMed student is guided under supervision to take charge of the assessment and treatment of patients in outpatient divisions, wards and operating theatres of the training institutions with increasing confidence and responsibility.

Registrars will participate in undergraduate training and assessment subject to the rules that apply in the individual departments.

1. Anaesthesiology – MMed (Anaesthesiology) Study code BC870400

480 Credits (including compulsory general modules)

Part I:	Basic modules	PHMM7900	Physiology (Medicine)	60 credits
		MFRM7900	Pharmacology	60 credits
		MCHP7900	Chemical Pathology	40 credits
		MPMA7900	Medical Physics	40 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Major modules:	MANS7900	Anaesthesiology portfolio/logbook	204 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) On the recommendation of the HOD and approval by the EXCO of the relevant school, Part I examination of the College for Anaesthesia receives recognition, but in addition to that, Chemical Pathology (MCHP7900) must also be passed before the final examination (Part II) may be taken.
- (ii) The professional HPCSA single exit examination will be considered as equivalent to the Part II examination. No internal Part II examination will be presented.
- (iii) The portfolio, including the following, must be handed in before sitting for the final assessment:
 1. Mini-dissertation/publishable manuscript/published article (NAMB7900 in terms of Rule MGH2.6.1).
 2. Logbook
 3. Proof of training assignments completed, including attendance modules NAMA7903 and MGPV7900, as well as other assignments.
- (iv) Additional curricula information is available from the HoD of Anaesthesiology and on the UFS website.
- (v) The awarding of the degree is subject to passing the main module (MANS7900), three months' residency in a critical care unit, and the submission of a comprehensive portfolio/logbook as aforementioned under (iii). The final examination, mini-dissertation/publishable manuscript/published article and aspects of continuous assessment are assessed.

Residency (RES): Four years.

2. Anatomical Pathology – MMed (Anatomical Pathology)

Study code BC870300

480 Credits (including compulsory general modules)

Part I: Basic modules: MANP7900# Anatomical Pathology 120 credits

Approved facet(s) of MCEP7900, MHEA7900, MMKA7900, MVIA7900 and MANP7900 (see Rule MGH2.7.1).

NAMA7903	Research Methodology	12 credits
MGPV7900	Health Care Practice	Attendance

Part II:	Major module:	MANM7900	Anatomical Pathology	284 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) Possible recognition may be granted by the EXCO of the relevant school for the three modules below:
- | | | |
|-----------|--------------------|-------------|
| *MCEB7900 | Chemical Pathology | 175 credits |
| *MHEM7900 | Haematology | 175 credits |
| *MMKM7900 | Microbiology | 175 credits |
- (ii) *One or two of the aforementioned modules may be offered in consultation with the Head of Department(s) concerned.
- (iii) On the recommendation of the HoD and approval by the EXCO of the relevant school, Part I of the College of Pathology of South Africa (Anatomical) is recognised as equivalent to the MMed Part I. Students are required to sit for the former.
- (iv) Students must have completed 18 months as a registrar before writing the Part I examination. Part 1 must be fully passed at 30 months from the start of residency period of the programme.
- (v) The approved curriculum of the College of Pathologists SA (Anatomical) for both Parts I and II will apply.
- (vi) The portfolio/logbook as prescribed by the College of Pathologists SA (Anatomical) must be kept up to date and approved by the HoD before admittance to the final examination.

Residency (RES): Four years, of which at least three years must be in Anatomical Pathology.

3. Cardiothoracic Surgery – MMed (Cardiothoracic Surgery)

Study code BC871300

600 Credits (including compulsory general modules)

Part I:	Basic modules	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MAPB7900	Anatomical Pathology	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Subsidiary modules:	MCHI7900	General Surgery principles including Intensive Care	152 credits
Part III:	Major modules:	MKTC7900	Cardiothoracic Surgery	192 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) The sequence of the residency periods will be determined after consultation with the HoD.
- (ii) A portfolio/logbook must be kept.
- (iii) On the recommendation of the HoD and approval by the EXCO of the relevant school, Part I and II of the assessment of the College of Cardiothoracic Surgeons of South Africa are recognised as equivalent to the MMed (Cardiothoracic Surgery) Part I and II, and students are encouraged to sit for the former.
- (iv) The topic for and nature of the mini-dissertation/publishable manuscript/published article is determined in consultation with the HoD.
- (v) The final examination must be written in the final year of the residency period. Part III of the assessment of the College of Cardiothoracic Surgeons of South Africa is recognised as equivalent to the final assessment of MMed (Cardiothoracic Surgery) Part III.
- (vi) The major module and mini-dissertation/publishable manuscript/published article must be passed individually before the degree is conferred.

Residency (RES): Five years.

4. Chemical Pathology – MMed (Chemical Pathology) *Study code BC870500*

480 Credits (including compulsory general modules)

Part I:	Basic modules:	MCEM7900#	Chemical Pathology	120 credits
<small>#Approved facet(s) of MCEP7900, MHEA7900, MMKA7900, MVIA7900 and MANP7900 (see Rule MGH2.7.1)</small>				
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Major modules:	MCEB7900	Chemical Pathology	284 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) Possible recognition may be granted by the EXCO of the relevant school for the three modules below:

*MCEB7900	Chemical Pathology	175 credits
*MHEM7900	Haematology	175 credits
*MMKM7900	Microbiology	175 credits
- (ii) *One or two of the aforementioned modules may be offered in consultation with the HoD concerned.
- (iii) Part I of the College of Pathologists (Chemical Pathology) of the CMSA is recognised as being equivalent to the MMed (Chemical Pathology) Part I. Students are required to sit for the former.
- (iv) Part II of the College of Pathologists (Chemical Pathology) (FCPath(SA)Chem Part II) is recognised as equivalent to MCEB7900. Students are required to sit for the former.
- (v) In order to obtain the MMed (Chemical Pathology) degree, a student must have satisfied the requirement of modules NAMA7903, MGPV7900, MCEM7900, NAMB7900. Permission to sit for the FCPath(SA) Chem Part II will be granted only after successful completion of NAMA7903, NAMB7900, and the attendance of MGPV7900.
- (vi) A detailed module guide fully describing the curricula, portfolios/logbooks, assessments and assessment requirements, research requirements, training duties, etc., is given to registrars, and they must accept this in writing.
- (vii) The approved curriculum of the College of Pathologists SA (Chemical Pathology) for both Parts I and II will apply.
- (viii) The portfolio/logbooks as prescribed by the College of Pathologists SA (Chemical Pathology) must be kept up to date and approved by the HoD before admittance to the final examination.

Residency (RES): Four years, of which at least three years must be in Chemical Pathology.

5. Clinical Pathology – MMed (Clinical Pathology) (*In abeyance*)

Study code BC871500*

480 Credits (including compulsory general modules)

Part I:	Basic Modules:	MCEB7900	Chemical Pathology	40 credits
		MHEM7900	Haematology	40 credits
		MMKM7900	Microbiology	40 credits
	NAMA7903	Research Methodology	12 credits	
	MGPV7900	Health Care Practice	Attendance	
Part II:	Major Modules:	MKLP7900	Clinical Pathology	284 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- The successful completion of modules in Research Methodology (NAMA7903) and Health Care Practice (MGPV7900) as well as the completion of a mini-dissertation/publishable manuscript/published article (NAMB7900) is a prerequisite for the conferment of the degree (also see Rule MGH2.6.1).
- A residency period of 12 months and an assessment (MCEB7900, MHEM7900 and MMKM7900, respectively) of each of the disciplines is required. The duration of the residency period in the discipline, where the research project is performed, is 18 months.
- MMed (Clinical Pathology): Individual examinations are written in the disciplines Chemical Pathology, Haematology and Medical Microbiology after a residency period of at least 18 months in each discipline.
- After completion of Part I, there will be a residency of two months in each of the disciplines in preparation for MKLP7900. MKLP7900 will cover each of the three disciplines. It will consist of a three-hour written examination paper, laboratory practical and oral examination in each of the three disciplines.
- On the recommendation of the HoD and approval of the EXCO of the relevant school, the College of Pathologists (Clinical Pathology) (FCPath(SA)Clin Part II) of the CMSA is recognised as equivalent to MKLP7900. In order to obtain the degree MMed (Clinical Pathology), a student must have satisfied the requirement of modules NAMA7903, NAMB7900 and MGPV7900. Permission to sit for the FCPath(SA)ClinPart II may be granted only after successful completion of MCEB7900, MHEM7900, MMKM7900, NAMA7903, NAMB7900, and the attendance of MGPV7900.
- A detailed module guide fully describing the curricula, portfolios/logbooks, assessments and assessment requirements, research requirements, training duties, etc., is given to registrars and they must accept this in writing.

Residency (RES): Four years.

6. Clinical Pharmacology – MMed (Clinical Pharmacology)

Study code BC870041

480 Credits (including compulsory general modules)

Part I:	Basic Modules	MCP7900	Principles of Clinical Pharmacology	124 credits
	NAMA7903	Research Methodology		12 credits
	MGPV7900	Health Care Practice		Attendance
Part II:	Major Modules	MCPA	Applied Clinical Pharmacology	280 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- Part I examination within 15 months from start of residing period – consists of:
 - Two written papers of 3 hours each (50% combined mark for the two written papers),
 - 3 monthly assessment of progress,
 - 3 monthly self-assessment of progress and
 - Portfolio/logbook

- (ii) Part II examination after completion of three years full-time post-internship training as a registrar/clinical assistant in either of the following combinations: All three years in a teaching hospital department of pharmacology OR two years in a teaching hospital department of pharmacology plus one year as a registrar in satellite clinical teaching department (25% of clinical pharmacology training must be in clinical care). The examination consists of:
- Written examination: Two written papers on the principles and practice of clinical pharmacology and therapeutics (3 hours each).
 - Practical examination: Objective Structured Clinical Examination: This includes clinical slides, interpretation of laboratory results, and short case-histories.
 - Oral examination: Students will be assessed on their ability to apply the principles of clinical pharmacology and therapeutics to complex clinical and policymaking scenarios.

In order to pass the examination, students must obtain:

- 50% or more for the combined mark from the two written papers, AND
- 50% or more for the OSCE, and
- 50% or more for the oral examination.

The three components of Part II of the examination will be weighted as follows:

- Two written papers will contribute 50% to the final mark (25% for each paper).
- The OSCE will contribute 20% to the final mark.
- Oral examination will contribute 30% to the final mark.

(iii) Furthermore, the students will also be assessed by:

- 3 monthly assessment of progress.
- 3 monthly self-assessment of progress.
- Portfolio/logbook.

(iv) Research Methodology module:

- (a) Written examination testing core competencies on completion of the theoretical module.
- (b) Assessment of research report. Initial research protocol must be presented to and approved of by the HOD, and Research Committees as well as the relevant Faculty Committee.
- (c) The progress will be monitored by the supervisor(s) of that specific project.
- (d) The completed research project will be assessed according to university guidelines with internal and external assessment as prescribed.
- (e) The student will give an oral presentation on completion of the research project.

Residency (RES): Four years.

7. Community Health – MMed (Community Health)

Study code BC873000

480 Credits (including compulsory general modules – excluding NAMB7900)

Part I:	Basic Modules:	Module Code	Description	Credits
		MVKG7900	Communicable and non-communicable health-related conditions	60 credits
		MVKA7900	Administration/management Theory and behavioural studies	60 credits
		MVKT7900	Theory of epidemiology, Biostatistics and demography	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance

Assessment:

One three-hour assessment paper in each of MVKG7900, MVKA7900 and MVKT7900. The assessment for Part I may not be written before the end of the first year of training.

Part II:	Major Modules:	Module Code	Description	Credits
		MVKG7900	Community Health	200 credits
	(i)		Administration/Management of Health Services	
	(ii)		Systematic and Interventional Epidemiology	
	(iii)		Environmental Health	
		MVKS7900	Mini-dissertation	100 credits
		MVKS7900 will replace NAMB7900		
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) The assessment for Part II will consist of the formal unitary assessments as determined by the HPCSA (currently the formal assessment of SA College of Public Health Medicine) – see Rule MGH 2.7 in this Rule Book. Any additional assessment as deemed necessary will be a practical assessment based on the recommendation of the HoD.
- (ii) After the student has passed Part I, at least 12 months must elapse before he/she may sit for Part II of the assessment. This assessment may not be written before the end of the third year of training.
- (iii) The formal assessment of SA College of Public Health Medicine will be used as the assessment for MVKC7900 providing that the student complies with conditions/regulations set by the SA College of Public Health Medicine. This assessment may not be written if the six-monthly formal assessment reports from the HoD indicate that the student is not yet ready and not before the end of the third year of training.
- (iv) The student must have completed and passed MVKS7900 before he/she can report for the assessment of MVKC7900.
- (v) Continuous formative and summative academic assessment forms part of the final assessment of the MMed degree in Community Health, and the Head of Department must approve the formative assessment forms prior to admission to the Part II (final) examination.

Residency (RES): Four years.

NOTE:

Practical training and service rendering takes place on a rotation basis at various institutions rendering health services and in various health service situations as determined by the HoD.

8. Dermatology – MMed (Dermatology)

(No new students will be allowed to register for this qualification in 2021. These rules will only apply to students who are currently registered for this qualification.)

Study code BC870700	480 Credits (including compulsory general modules)		
Part I: Basic subjects:	PHMM7900 Physiology (Medicine)	60 credits	ANMM7900 Micro-anatomy 60 credits
	NAMA7903 Research Methodology	12 credits	MGPV7900 Health Care Practice Attendance
Part II: Major subjects:	MDER7900 Dermatology	224 credits	
	MPLH7900 Pathology of the skin	60 credits	
	(Both major subjects must be passed simultaneously)		
	NAMB7900 Mini-dissertation	64 credits	
	CAMO7900 Continuous Assessment	Competent	

Elucidation:

- (i) On the recommendation of the Head of Department and approval of the Executive Committee, School of Clinical Medicine, Part I of the College of Dermatology of South Africa is recognised as equivalent to the MMed Part I. Students are required to sit for the former.
- (ii) Part II of the College of Dermatology of South Africa (FCDerm) is recognised as equivalent to the final assessment of MDER7900. In order to obtain the degree MMed (Dermatology), a student must pass the examination in MPLH7900, as no equivalent examination is currently offered by the College. Consent to sit for the FCDerm Part II may be granted only after successful completion of MPLH7900.
- (iii) A detailed module guide fully describing the curricula, assessments and assessment requirements, research requirements, training duties, etc., is given to registrars, and they must accept this in writing.

Residency (RES): Four years.

9. Diagnostic Radiology – MMed (Diagnostic Radiology) Study code BC870800

600 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMR7900	Anatomy and Radiological Anatomy	60 credits
		MPMR7900	Radiological Physics	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance

Part II:	Subsidiary module:	PHMM7900	Physiology (Medicine)	60 credits
		PATR7900	Pathology	60 credits
		RADP7900	General Radiology Principles	92 credits
Part III:	Major module:	MDIR7900	Diagnostic Radiology	192 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) A detailed module guide fully describing the curricula, assessments and assessment requirements, research requirements, training duties, etc., is given to registrars at the beginning of their residency period.
- (ii) On the recommendation of the HoD and approval by the EXCO of the relevant school, Part I of the Fellowship of the College of Diagnostic Radiologists of South Africa are recognised as equivalent to the MMed (Diagnostic Radiology) Part I, and students are encouraged to sit for the former.
- (iii) The MMed (Diagnostic Radiology) Part II Examination including Pathology (PATR7900), Physiology (PHMM7900) and General Radiology Principles (RADP7900) must be taken not before five (5) semesters and not later than six (6) semesters after first registration as a postgraduate student for this qualification. All three subjects must be included in the first examination attempt.
- (iv) The final examination must be written in the final year of the residency period. Part II of the Fellowship of the College of Diagnostic Radiologists of South Africa is recognised as equivalent to the final assessment of MMed (Diagnostic Radiology) Part III. Permission to sit for the FC Rad Diag(SA) Part II will be granted only after successful completion of NAMA7903, NAMB7900, and the attendance of MGPV7900.
- (v) The topic for and nature of the mini-dissertation/publishable manuscript/published article is determined in consultation with the HoD.
- (vi) The portfolio/logbooks as prescribed by the College of Radiologists of the CMSA must be kept up to date and approved by the HOD before admittance to the final examination.

Residency (RES): Five years.

10. Emergency Medicine – MMed (Emergency Medicine)

Study code BC875500

480 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MAPB7900	Anatomical Pathology	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practicice	Attendance
Part II:	Major Modules:	MEMM7900	Emergency Medicine	224 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) Students must keep a portfolio/logbook in which all cases and the required emergency care are recorded. The portfolio/logbook must be handed in before Part II of the examination is written.
- (ii) The sequence of a different residency disciplines will be determined by the HOD.
- (iii) The curriculum for both Part I and II is explained in the portfolio/logbook.
- (iv) The residency may be performed partially or completely at the Kimberley Hospital Complex.

Residency (RES): Four years.

11. Family Medicine – MMed (Family Medicine) *Study Code BC875300*

480 Credits (including compulsory general modules but excluding NAMB7900;
NAMB7900 is substituted by MRPD 7900

Admission requirements

Before a student may register for the MMed (Family Medicine) degree, he/she must:

- (a) Have registered as a medical practitioner with the HPCSA in terms of the Health Professions Act 56 of 1974 in a category as approved (in public sector or independent practice).

Curriculum

(a) Elective modules

Three of the following elective (choice) modules must be selected for Part I, and those specific modules are continued in Part II and III and finally assessed in Part IV.

MMHA/B/C/D	Women's Health
MCHA/B/C/D	Neonatal and Child Health Care
MPAA/B/C/D	Palliative Care
MEMA/B/C/D	Accident and Emergency Care
MCFA/B/C/D	Clinical Forensic Medicine
MPHA/B/C/D	Primary Health Care, including TB, STD and HIV
MSAA/B/C/D	Procedural Skills including Surgery, Anaesthesiology and Medical Procedures
MDIA/B/C/D	Dispensing

(b) Part I

BMFA7904	(16C)	Applied Basic Medical Sciences (Family Medicine)
MKHA7900	(48C)	Clinical family medicine
MCMA7902	(8C)	Community Health
MPMA7902*	(8C)	Managing medical practice
MRPA7904*	(16C)	Mini-dissertation
MFHA7901*	(4C)	Family Health

* Continuation provided all requirements are met

NAMA7903 (12C)	Research Methodology
MGPV7900	Health Care Practice (Attendance)

Plus: Any three of the following elective modules:

MMHA7902	(8C)	Women's Health
MCHA7902	(8C)	Neonatal and Child Health Care
MPAA7902	(8C)	Palliative Care
MEMA7902	(8C)	Accident and Emergency Care
MCFA7902	(8C)	Clinical Forensic Medicine
MPHA7902	(8C)	Primary Health Care including TB, STD and HIV
MSAA7902	(8C)	Procedural Skills including Surgery, Anaesthesiology and
Medical Procedures		
MDIA7902	(8C)	Dispensing

(c) Part II

BMFB7904	(16C)	Applied Basic Medical Sciences (Family Medicine)
MKHB7900	(48C)	Clinical Family Medicine
MPMB7902	(8C)	Managing Medical Practice
MRPB7904*	(16C)	Mini-dissertation
MFHB7901*	(4C)	Family Health

* Continuation, provided all requirements are met

Plus: Three selected elective modules

MMHB7902	(8C)	Women's Health
MCHB7902	(8C)	Neonatal and Child Health Care
MPAB7902	(8C)	Palliative Care
MEMB7902	(8C)	Accident and Emergency Care
MCFB7902	(8C)	Clinical Forensic Medicine
MPHB7902	(8C)	Primary Health Care including TB, STD and HIV
MSAB7902	(8C)	Procedural Skills including Surgery, Anaesthesiology and Medical Procedures
MDIB7902	(8C)	Dispensing

Before completing Part II, a student is expected to have successfully completed the requirements of the modules NAMA7903 and MGPV7900.

(d) Part III

MKHC7900	(48C)	Clinical Family Medicine
MFHC7908	(32C)	Family Health
MRPC7904*	(16C)	Mini-dissertation

* Continuation, provided all requirements are met

Plus: And the three selected elective modules

MMHC7902	(8C)	Women's Health
MCHC7902	(8C)	Neonatal and Child Health care
MPAC7902	(8C)	Palliative Care
MEMC7902	(8C)	Accident and Emergency Care
MCFC7902	(8C)	Clinical Forensic Medicine
MPHC7902	(8C)	Primary Health Care including TB, STD and HIV
MSAC7902	(8C)	Procedural Skills including Surgery, Anaesthesiology and Medical Procedures
MDIC7902	(8C)	Dispensing

(e) Part IV

MRPD7900* (48C) Mini-dissertation
MRPD7900 will replace NAMB7900

Plus: Three elective modules

MMHD7906 (24C) Women's Health
MCHD7906 (24C) Neonatal and Child Health Care
MPAD7906 (24C) Palliative Care
MEMD7906 (24C) Accident and Emergency Care
MCFD7906 (24C) Clinical Forensic Medicine
MPHD7906 (24C) Primary Health Care including TB, STD and HIV
MSAD7906 (24C) Procedural Skills including Surgery, Anaesthesiology and Medical Procedures
MDID7906 (24C) Dispensing

Assessment

End of second semester	-	Part I
End of fourth semester	-	Part II
End of sixth semester	-	Part III
End of eighth semester	-	Part IV

The combinations for registration and the assessment programme may be altered with the approval of the Head of Department and approval of the Executive Committee, School of Clinical Medicine.

The final exit exam is currently presented by the College of Family Physicians as the FCFP final examination, Section A of the Fellowship of Family Physicians. (Section B comprises the research component.)

Pass mark and distinction

- (a) A minimum of 50% is required to pass an assessment.
 (b) The Master's degree is awarded with distinction if a student obtains a weighted average percentage of 75% in the following disciplines:

MKHB7900/MKHC7900	Clinical Family Medicine
MFHA7901/MFHB7901/MFHC7908	Family Health
MPMA7902/MPMB7902	Practice Management
MRPA7904/MRPB7904/MRPC7904/MRPD7900	Mini-dissertation

Plus the three elective modules:

MMHA7902/MMHB7902/MMHC7902/MMHD7906	Women's Health
MCHA7902/MCHB7902/MCHC7902/MCHD7906	Neonatal and Child Health Care
MPAA7902/MPAB7902/MPAC7902/MPAD7906	Palliative Care
MEMA7902/MEMB7902/MEMC7902/MEMD7906	Accident and Emergency Care
MCFA7902/MCFB7902/MCFC7902/MCFD7906	Clinical Forensic Medicine
MPHA7902/MPHB7902/MPHC7902/MPHD7906	Primary Health Care including TB, STD and HIV
MSAA7902/MSAB7902/MSAC7902/MSAD7906	Procedural Skills including Surgery, Anaesthesiology and Medical Procedures
MDIA7902/MDIB7902/MDIC7902/MDID7906	Dispensing

- (c) Assessment in MKHC7900 comprises an OSCE, written paper, portfolio and oral. Both the written paper and the OSCE must be passed individually in order to pass MKHC7900.
 (d) Assessment of the elective modules comprises written examinations, OSCA and continuous assessment by means of logbooks, case studies and portfolios. All three sections, namely written examinations, OSCA and continuous assessment, must be passed individually in order to pass the elective modules.

Special assessment

- (a) Students who fail the assessment at the end of the semesters as determined in respect of Parts I and II will be allowed to write an assessment in the additional examination opportunity, provided that not more than two modules were failed, in which case Part I/II is to be repeated.
 (b) Students who fail the assessment at the end of Part III and Part IV (maximum of two modules) will be allowed to write an assessment after six months.
 (c) Students will only be allowed to repeat an assessment once, thereafter special permission will be needed.
 (d) Further assessments will be allowed only with the approval of the Head of the School of Clinical Medicine and on the recommendation of the Heads of Departments concerned.
 (e) In exceptional cases, the Head of the School of Clinical Medicine may give permission for leave of absence, provided that the student has made prior arrangements with the Head of the School. A student who fails to write an assessment without a sufficient reason or prior arrangement does not qualify for a special assessment.

Residency (RES): Four years.

12. Forensic Medicine – MMed (Forensic Medicine)

Study code BC870900

600 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Subsidiary Modules	MANF7900	Anatomical Pathology	152 credits

Part III:	Major Modules:	MGGN7900	Forensic Medicine (including Clinical Forensic Medicine, Toxicology and Medical Law)	252 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Residency (RES): Five years, two of which will be in Anatomical Pathology and three in Forensic Medicine.

Elucidation:

- (i) MMed (Forensic Medicine): After a student has passed the Part I assessment, at least 24 months must elapse before Part II of the examination may be written.
- (ii) The sequence of the residency periods will be decided on after consultation with the relevant Heads of Departments.

Residency (RES): Five years.

13. Haematology – MMed (Haematology) *Study code BC871000*

480 Credits (including compulsory general modules)

Part I:	Basic Modules:	MHEA7900#	Haematology	120 credits
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#Approved facet(s) of MCEP7900, MHEA7900, MMKA7900, MVIA7900 and MANP7900 (see Rule MGH2.7.1).

	NAMA7903	Research Methodology	12 credits
	MGPV7900	Health Care Practice	Attendance

Part II:	Major Modules	MHEB7900	Haematology	284 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) Possible recognition may be granted by the EXCO of the relevant school for the three modules below:

*MCEB7900	Chemical Pathology	175 credits
*MHEM7900	Haematology	175 credits
*MMKM7900	Microbiology	175 credits
- (ii) One or two of the aforementioned modules may be offered in consultation with the HoD(s) concerned.
- (iii) On the recommendation of the HoD and approval of the EXCO of the relevant school, Part I of the College of Pathologists (Haematology) of the CMSA is recognised as being equivalent to the MMed (Haematology) Part I. Students are required to sit for the former.
- (iv) Part II of the College of Pathologists (Haematology) (FCPath(SA) Haem Part II) of the CMSA is recognised as equivalent to MHEB7900. Students are required to sit for the former. In order to obtain the degree MMed (Haematology), a student must have satisfied the requirement of modules NAMA7903, NAMB7900, and MGPV7900.
- (v) A detailed module guide fully describing the curricula, portfolios/logbooks, assessments and assessment requirements, research requirements, training duties, etc., is given to registrars, and they must accept this in writing.
- (vi) The FCPath (SA) Haem Part II of the CMSA must be written in the final year of the residency period.
- (vii) The approved curriculum of the College of Pathologists SA (Haematology) for both Parts I and II will apply.
- (viii) The portfolio/logbooks as prescribed by the College of Pathologists SA (Haematology) must be kept up to date and approved by the HOD before admittance to the final examination.

Residency (RES): Four years, at least three years of which must be in Haematology.

14. Internal Medicine – MMed (Internal Medicine)

Study code BC873300

480 Credits (including compulsory general modules)

Part I:	Basic modules:	MBWI7900	Basic Sciences (Internal Medicine)	120 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Major modules	MING7900	Principles and practice of Internal Medicine	284 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) The sequence of the residency periods will be determined after consultation with the HOD.
- (ii) The portfolio/logbook as prescribed by the CMSA must be kept up to date at all times and must be approved by the HoD before admittance to the final examination.
- (iii) The approved curriculum of the CMSA for both Parts I and II will apply.
- (iv) The topic for and nature of the mini-dissertation/publishable manuscript/published article is determined in consultation with the HoD.
- (v) The FCP (SA) Part II of the CMSA must be written as close to the end of the residency period as possible.
- (vi) The major module and mini-dissertation/publishable manuscript/published article must be passed individually before the degree can be conferred.

Residency (RES): Four years, of which at least two must be in General Internal Medicine.

15. Medical Genetics – MMed (Medical Genetics) **Study code BC874200**

480 Credits (including compulsory general modules)

Part I:	Basic modules:	MMGA7900	Medical Genetics (Basic sciences)	142 credits
		MPGC7900	Psychology (Counselling Skills)	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Major modules:	MMGB7900	Medical Genetics (clinical applications)	202 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) The curriculum for Part I and II is determined by the HoD in accordance with external assessment bodies (the latter as approved by the Faculty Board), as far as possible to satisfy the requirements of internal assessment (Part I) and internal/external assessment as well as an alternative option of total external assessment (Part I and II). This curriculum will include aspects such as cytogenetics, molecular genetics, biochemical genetics, prenatal testing, medical ethics and principles of genetic counselling.
- (ii) Total external assessment of Part I and/or Part II, satisfying the requirements as determined by the programme head, could, in addition, serve as a pass requirement of Part I and/or II. The special requirements of the external examination body, which are not necessarily defined in these rules, must still be satisfied.

- (iii) Assessment in Part II is based on internal/external examination and includes equivalent written examination, OSCA examination, oral examination (if required), and clinical examination. Passing the clinical examination individually is a prerequisite for passing Part II.
- (iv) Appropriate experience in clinical and laboratory skills must be supported by the presentation of a portfolio/logbook and certification thereof by the Head of the Programme (see Rule MGH2.3).

Residency (RES): Four years.

16. Medical Microbiology – MMed (Medical Microbiology)

Study code BC871600

480 Credits (including compulsory general modules)

Part I:	Basic modules:	MKMA7900	#Microbiology	120 credits
<small>Approved facet(s) of MCEP7900, MHEA7900, MMKA7900 and MVIA7900 (see Rule MGH2.7.1).</small>				
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Major modules:	MKMB7900	Microbiology	284 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) On the recommendation of the HOD and the approval by the EXCO of the relevant school, exemption from the primary examination of the university may be granted on condition that the primary examination of the CMSA has already been passed.
- (ii) A rotation period of six months in Medical Virology is a prerequisite and includes written assessments.
- (iii) The topic for the mini-dissertation/publishable manuscript/published article will be determined in consultation with the HoD.

Residency (RES): Four years, during which adequate experience in related aspects of Medical Microbiology Medical Virology, Molecular Biology, and Immunology must be gained.

17. Medical Virology – MMed (Medical Virology)

Study code BC872900

480 Credits (including compulsory general modules)

Part I:	Basic Modules:	#MVIA7900	Virology	120 credits
<small>Approved facet(s) of MCEP7900, MHEA7900, MMKA7900, MVIA7900 and MANP7900 (see Rule MGH2.7 1(e)).</small>				
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Major Modules:	MVIB7900	Virology	284 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) On the recommendation of the HoD and approval by the EXCO of the relevant school, exemption from the University's primary examination may be granted if the student has already passed the primary examination of the CMSA.
- (ii) The topic for the mini-dissertation/publishable manuscript/published article will be determined in consultation with the HoD.

Residency (RES): Four years, during which sufficient experience must be gained in related aspects of virology, laboratory management, molecular biology, and immunology.

18. Neurology – MMed (Neurology) *Study code BC871800*

480 Credits (including compulsory general modules)

Part I:	Basic Modules	ANMN7900	Neuroanatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Major Modules:	MNER7900	Neurology	284 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- The curriculum for Part I and II is determined by the HoD in accordance with CMSA requirements to satisfy the requirements of assessment.
- Total external assessment CMSA of Part I and Part II, satisfying the requirements as determined, will serve as pass requirements of Part I – ANMN7900 (Neuroanatomy) and PHMM7900 (Physiology) and Part II. The special requirements of the external examination body, which is not necessarily defined in these rules, must still be satisfied.
- Relevant experience in clinical and neurophysiological skills must be supported by or submission of a portfolio/logbook and its certification (see Rule MGH2.3), or certification by the HoD of such experience.

Residency (RES): Four years.

19. Neurosurgery – MMed (Neurosurgery) *Study code BC871700*

600 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MAPB7900	Anatomical Pathology	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance

Elucidation:

- On the recommendation of the HoD an approval by the EXCO of the relevant school, Part I examination of the College of Neurosurgery receives recognition, but in addition to that Anatomy (ANMG7900) must also be passed. Anatomy involves basic and applied neuroanatomy relevant to the discipline of Neurosurgery.
- Continuous formative and summative clinical and academic assessment includes basic and applied general physiology, neuro-physiology and anatomical neuro-pathology.

Part II:	Subsidiary modules:	MCHI7900	General surgical principles including Intensive Care	152 credits
Part III:	Major modules:	MNEU7900	Neurosurgery	192 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) A student's surgical portfolio/logbook will be evaluated according to the CMSA, College of Neurosurgery of South Africa requirement before admission to the Part III (Final) examination in Neurosurgery.
- (ii) The College of Neurosurgery South Africa Part II (Intermediate) examination may be completed at the discretion of the HOD.

Residency (RES): Five years, including compulsory rotation periods of three months each in Critical Care and Trauma.

20. Nuclear Medicine – MMed (Nuclear Medicine)

Study code BC871400

480 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MPMN7900	Basic Physics and Instrumentation	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Subsidiary modules:	MRFM7900	Radiopharmacy	90 credits
Part III:	Major modules:	MKKR7900	Clinical Nuclear Medicine	134 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) Students who passed Part I of the Fellowship of the College of Nuclear Physicians of South Africa (FCNP SA Part I) will be granted exemption from part I of the MMed (Nuclear medicine) at UFS pending the recommendation of the HoD and approval by the EXCO of the relevant school.
- (ii) The HPCSA single exit examination will be considered the equivalent to the Part III examination. No internal Part III examination will be presented.
- (iii) Part II module Radiopharmacy (MRFM7900) must be taken and passed between 24 and 36 months after registration for the MMed.
- (iv) Under the module, NAMB700 will only a full research project be accepted and should preferably be in the format of a publishable manuscript/published article. Further elucidation can be found under Rule MGH2.6.1.
- (v) Rotation to other clinical disciplines will be in line with the requirements of the HPCSA's final exit exam.
- (vi) A portfolio/logbook (digital and in hardcopy) of all diagnostic and therapeutic procedures is compulsory for each student and will form part of the final portfolio/logbook presented for acceptance into the final examination.

Residency (RES): Four years.

21. Obstetrics and Gynaecology – MMed (Obstetrics and Gynaecology)

Study code BC871900

600 Credits (including compulsory general modules)

Part I:	Basic Modules:	Module Code	Module Name	Credits
		ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
# From 2015: FCOG Part 1 alternatively MMed Part 1				
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Subsidiary modules:	MOBS7900	Skills in Obstetrics and Gynaecology	60 credits
		MOBU7900	Ultrasound Portfolio/Logbook	Competent
Part III:	Major modules:	MOBG7900	Obstetrics and Gynaecology	344 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) A portfolio/logbook (according to the FCOG guidelines) of all clinical work must be kept throughout all the years of study.
- (ii) The Department, as well as the University, recognises the FCOG (SA) Part I (A and B) as well as the MMed Part I for the MMed (Obstetrics and Gynaecology) degree.
- (iii) (iii) MOBS7900 includes the following: Ultrasound and imaging in Obstetrics and Gynaecology, Colposcopy, Gynaecological pathology and cytology, ESMOE, Basic Surgical Skills, Intensive Care, Basic Obstetric and Gynaecological Principles & assessment, Embryology (module related). Research Methodology (NAMA7903) and Health Care Practice Management (MGPV7900), which are all mandatory before admission to Part II of the assessment (Intermediate).
- (iv) (iv) Satisfactory completion of **Ultrasound Portfolio/Logbook** by the end of **48 months** following registration is compulsory for admission to Part III (Final examination) of the assessment.
- (v) (v) Part III (MOBG7900) (Final examination) of the course must be done during the last (fifth) year of residency.
- (vi) (vi) As a prerequisite for admission to the Part II of the Board Examination (SA College for Obstetricians & Gynaecologists) and/or the MMed (Obstetrics and Gynaecology) Part III the student must:
 - (a) Successfully complete Part I and II (*see points (ii)-(iv) above*) of the examinations.
 - (b) Submission and acceptance of an Ultrasound Portfolio in the prescribed format before 48 months following registration (*see Point (iv) above*).
- (iii) (vii) The MMed (Obstetrics and Gynaecology) degree will only be awarded once Part II of the Board Examination **as well as** Part III of the MMed (MOBG7900) have been passed.
- (iv) (viii) In order to pass the MMed (Obstetrics and Gynaecology) Part III (MOBG7900), both clinical parts (Obstetrics as well as Gynaecology) of the examination must be passed.
- (v) (ix) A pass mark must be obtained for continuous formative and summative clinical and academic assessment prior to admission to the Part II (final) examination.
- (vi) (x) A student's portfolio (including the logbook) will be evaluated according to the CMSA, College of Obstetrics, and Gynaecology South Africa requirement before admission to the Part III (Final) examination.

Residency (RES): Five years.

22. Ophthalmology – MMed (Ophthalmology) *Study code BC872100*

480 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MPMO7900	Medical Physics (Ophth.)	60 credits
		MPAO7900	Pathology (Ophth.)	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Major Modules:	MOFT7900	Ophthalmology	164 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) A portfolio/logbook must be submitted and will serve for inspection at the final practical assessment.
- (ii) Anatomy and Physiology of Part IA of the College of Ophthalmologists of the Colleges of Medicine SA are recognised as being equivalent to the MMed (Ophthalmology) Part I; in addition, Medical Optics and Pathology (CMSA Part IB) must be passed as part of the MMed (Ophthalmology) programme.
- (iii) The final examination must be written in the final year of the residency period.

Residency (RES): Four and a half years.

23. Orthopaedic Surgery – MMed (Orthopaedic Surgery) *Study code BC872200*

600 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MAPB7900	Anatomical Pathology	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
		Part II:	Subsidiary Modules:	MCHI7900
Part III:	Major Modules:	MORT7900	Orthopaedics	192 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) On the recommendation of the HoD and approval by the EXCO of the relevant school, exemption from the University's

primary examination may be granted if the student has already passed the primary examination of the CMSA. The same principle may apply to the intermediate examination.

- (ii) Part II and III of the assessment involve external assessment.
- (iii) A portfolio/logbook of standard format is compulsory.
- (iv) Passing the clinical examinations individually is a prerequisite for passing Part III.

Residency (RES): Five years.

24 Otorhinolaryngology – MMed (Otorhinolaryngology)

Study code BC872300

480 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MAPB7900	Anatomical General Principles	60 credits
			Pathology	
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Major Modules:	MOTO7900	Otorhinolaryngology	224 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) On the recommendation of the HoD and approval by the EXCO of the relevant school, exemption from the MMed (Otorhinolaryngology) Part I on the basis of successful completion of the Colleges of Medicine SA Part I applies.
- (ii) Students are required to pass the FCORL (SA) Intermediate examination prior to entering the final examination.
- (iii) A portfolio/logbook in the format specified by the College of Otorhinolaryngologists is compulsory.

Residency (RES): Four years.

25. Paediatrics – MMed (Paediatrics)

Study code BC872400

480 Credits (including compulsory general modules)

Part I:	Basic Sciences:	MPEA7900	Paediatrics	180 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance

Elucidation:

- (i) The syllabus for the basic sciences includes:
 - (a) The normal growth and development of the infant and child;
 - (b) embryology and anatomy relevant to the above;
 - (c) physiology and biochemistry, with special reference to the childhood years;
 - (d) pathology, pathophysiology, microbiology and parasitology, with special reference to the childhood years;
 - (e) applied medical pharmacology and general principles of genetics;
 - (f) principles of therapy with special reference to the childhood years; and
 - (g) principles of epidemiology and statistics.
- (ii) Written assessments are conducted.
- (iii) On the recommendation of the HoD and approval by the EXCO of the relevant school, a primary College examination or a similar MMed (primary examination) will be accepted for the MMed (Paediatrics) degree.

Part II:	Major modules:	MPEB7900	Paediatrics	224 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) MPEB7900 involves the principles and practice of paediatrics and child health.
Residency (RES): Four years.

26. Paediatric Surgery – MMed (Paediatric Surgery) *Study code BC875400*

600 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MAPB7900	Anatomical Pathology	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Subsidiary Modules:	MCHI7900	General surgical principles, including Intensive Care	152 credits
Part III:		NAMB7900	Mini-dissertation	64 credits
	Major Modules:	MPCH7900	Paediatric Surgery	192 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) On the recommendation of the HoD and the approval of the EXCO of the relevant school, an exception from the university's primary examination may be granted if the student has already passed the primary examination of the Colleges of Medicine South Africa. The same principle may apply to the intermediate examination.
- (ii) *Portfolio of Learning:* Students must keep a portfolio/logbook in which all the surgical procedures performed or assisted are recorded. This portfolio/logbook must be submitted before Part III of the examination.
- (iii) Only successful completion of the final FCPaedSurg (SA) will be accepted as an exit examination for module MPCH7900.
Residency (RES): Five years.

27. Plastic Surgery – MMed (Plastic Surgery) *Study code BC872500*

600 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MAPB7900	Anatomical Pathology	60 credits
			General Principles	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance

Part II:	Subsidiary Modules:	MCHI7900	General surgical principles including Intensive Care	152 credits
Part III:	Major Modules	MPUP7900	Plastic Surgery	192 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) On recommendation of the HoD and approval by the EXCO, School of Clinical Medicine, exemption from the university primary examination may be granted if the student has already passed the primary examination of the SA Colleges of Medicine. The same principle may apply to the intermediate examination.
- (ii) Students must keep a portfolio/logbook in which all the surgical procedures performed or assisted are recorded. This portfolio/logbook must be submitted before Part III of the examination is written.

Residency (RES): Five years.

28. Psychiatry – MMed (Psychiatry) *Study code BC872600*

480 Credits (including compulsory general modules)

Part I:	Basic Modules:	MSIL7900	Psychology	60 credits
		ANMN7900	Neuro-anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Subsidiary modules:	MINP7900	Internal Medicine (Neurology and Psychopharmacology)	90 credits
Part III:	Major modules:	MPSG7900	Psychiatry	134 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

Part I, II and III must be completed in terms of the rules for the MMed of the FHS. The following additional requirements apply:

- (i) On the recommendation of the HoD and approval by the EXCO of the relevant school, Part I of the College for Psychiatrists of South Africa is recognised as equivalent to the MMed (Psychiatry) Part I. Students may opt to do either the College Part I or the MMed Part I.
- (ii) The student must complete the Psychotherapy portfolio/logbook and have it signed by supervising consultants throughout.
- (iii) The requirements for admission to Part III are:
 - (a) The portfolio/logbook had been completed in accordance with FC Psych Part II requirements.
 - (b) At least 36 months of the training period have elapsed by the date scheduled for the examination.
- (iii) Detailed information on the curriculum is available from the HoD.

Residency (RES): Four years.

29. Radiation Oncology – MMed (Radiation Oncology)

Study code BC872700

480 Credits (including compulsory general modules)

Part I:	Basic Modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MPMT7900	Medical Physics (Rad.T.)	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Subsidiary Modules:	MPAT7900	Pathology	60 credits
		MRBO7900	Radiobiology	30 credits
Part III:	Major Modules:	NAMB7900	Mini-dissertation	64 credits
		MOKT7900	Oncology (including Radiotherapy, Cancer Chemotherapy and Radio-isotopes)	134 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) The student must complete and pass Part I and Part II of the UFS MMed examination and the latter cannot be replaced with the College of Medicine SA primary examination.

Residency (RES): Four years.

30. Surgery – MMed (Surgery)

Study code BC870600

600 Credits (including compulsory general modules)

Part I:	Basic modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MAPB7900	Anatomical Pathology	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
Part II:	Subsidiary Modules:	MCHI7900	General Surgical Principles including Intensive Care	152 credits
Part III:	Major Modules:	NAMB7900	Mini-dissertation	64 credits
		MCHR7900	General Surgery	192 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) On the recommendation of the HOD and after the approval of the EXCO of the relevant school, exception from the MMed University's primary examination may be granted if the student has already passed the primary examination of the Colleges of Medicine South Africa. The same principle may apply to the intermediate examination.

- (ii) *Portfolio of Learning*: Students must keep a portfolio/logbook in which all the surgical procedures performed or assisted are recorded. A student's surgical portfolio/logbook will be evaluated according to the CMSA, College of Surgery of South Africa requirement before admission to the Part III (Final) examination in Surgery. This portfolio/logbook must be handed in before Part III of the examination.
- (iii) Only successful completion of the final FCS (SA) will be accepted as an exit examination for module MCHR7900.

Residency (RES): Five years.

31. Urology – MMed (Urology)

Study code BC872800

600 Credits (including compulsory general modules)

Part I:	Basic modules:	ANMG7900	Anatomy	60 credits
		PHMM7900	Physiology (Medicine)	60 credits
		MAPB7900	Anatomical Pathology	60 credits
		NAMA7903	Research Methodology	12 credits
		MGPV7900	Health Care Practice	Attendance
		MCHI7900	General Surgery Principles including Intensive Care	152 credits
Part II:	Subsidiary Modules:	MCHI7900	General Surgery Principles including Intensive Care	152 credits
		MURL7900	Urology	192 credits
		NAMB7900	Mini-dissertation	64 credits
Part III:	Major Modules:	MURL7900	Urology	192 credits
		NAMB7900	Mini-dissertation	64 credits
		CAMO7900	Continuous Assessment	Competent

Elucidation:

- (i) (Each student is expected to keep a portfolio/logbook in which there are records of the continuous formative assessment of the student, all surgical procedures, performed or assisted with, are recorded as well as copies of presentations in the department at forums and congresses and publications during their training period is kept. The portfolio/logbook must be handed in 3 months prior to the assessment of Part III of the SA College of Urologists' examination and is evaluated by external assessors.
- (ii) During the five-year residency period, each student is expected to deliver at least one presentation at the annual Faculty Forum.
- (iii) On recommendation of the HOD and on approval by the EXCO of the relevant school, exemption from the university's primary examination may be granted if the student has already passed the primary examination of the Colleges of Medicine SA. In addition, Anatomy (ANMG7900) must also be passed.
- (iv) On recommendation of the HOD and on approval by the EXCO of the relevant school exemption from General Surgery Principles including intensive care (MCHI7900) may be granted if the student has already passed the intermediary examination of the Colleges of Medicine SA.
- (v) The degree MMed (Urology) will be awarded after successful completion of Part III of SA College of Urologists' examination as well as the successful completion of the research component, NAMB7900.

Residency (RES): Five years.

APPLICABLE TO ALL MMed DEGREES:

Rule MGH2.7 Assessment

- (i) The single exit examination is hosted by the Colleges of Medicine SA(CMSA), on the instruction of the HPCSA. The CMSA presents the Written and Oral examinations twice a year. This examination will be recognised as equivalent to the MMed final examination.
 - (ii) MMed Examinations: Students must notify the postgraduate administration office annually of the Faculty in writing (required form) before 15 February or 15 July of their intention to sit for the June or November assessment.
 - (iii) CMSA Examinations: Students must notify the Postgraduate Administration Office annually of the Faculty in writing (required form) before 1 December for the first semester of the following year or 1 May for the second semester of their intention to sit for the CMSA examination(Primary Intermediate Final).
 - (iv) An MMed degree can only be conferred if all the modules are passed individually and timeously.
 - (v) The examination of the UFS modules may be written in June or November, only during the main examination opportunity.
- Please note generic rule:

General Rules 2021 A72.3(b)(i): A student who has already twice registered for a specific module (paper/practical), in a coursework Master's degree dissertation or mini-dissertation and has not yet met the pass requirements, is only allowed one further opportunity to register for the module – on the basis of exceptional merit, with the approval of the Dean, on the recommendation of the programme director or the academic HoD or the director of the Business School as regards the MBA, and with written notification to the Registrar.

Application of the aforementioned rule in the School of Clinical Medicine and School of Pathology:

Only in **exceptional circumstances** may the HoD submit a written recommendation, together with an academic progress report compiled by the postgraduate administration office, to the EXCO of the relevant school. Following the aforementioned, the head of the relevant school must make a formal written recommendation to the Dean to request permission to register for the same module for a third opportunity. A student may only register for the same module for a third opportunity (while registered with UFS) with written approval from the Dean.

Rule MGH2.7.1 Primary – Part I of the assessment: All disciplines

- (a) When sitting for the MMed primary examination, examination in all the basic modules must be written simultaneously, except in the disciplines Anaesthesiology, Ophthalmology, Radiation Oncology and Psychiatry, where students may write assessment in any of the basic modules. The assessment in Anatomy, Physiology and Anatomic Pathology (where applicable) comprises a written and oral examination in each of the stated modules.
- (b) MMed (Chemical Pathology), (Medical Microbiology), (Haematology), (Medical Virology) and (Anatomical Pathology): Part I of the assessment of the College of Pathologists is recognised as being equivalent to the MMed Part I assessment.
- (c) MMed in Surgery, Cardiothoracic Surgery, Neurosurgery, Orthopaedic Surgery, Paediatric Surgery, Plastic Surgery and Urology. The MMed Primary may or may not be offered at the discretion of the HoD in conjunction with the MMed committee in which case the student will be required to write the College of Medicine Primary examination.
- (d) To pass a module in disciplines where all the modules must be written simultaneously, an assessment mark of at least 40% must be obtained in a failed module to be allowed to repeat the specific failed module. Should a module be failed with less than 40%, the examination must be repeated in its entirety.
- (e) For all four-year MMed programmes (and Ophthalmology): By 18 months after registration as a student, the student must have passed at least one of the basic modules in the disciplines where there are two modules or two of the basic modules in the disciplines where there are three or more. In all the four-year programmes (this includes additional examination), Part I must be passed in its entirety at 24 months after registration as a student.
Exceptions: Oncology – Part 1 must be passed in its entirety within 18 months after registration as a student; Anatomical Pathology Part 1 must be passed in its entirety at 30 months after registration as a student.
Only in **exceptional circumstances** may the HoD submit a written recommendation, together with an academic progress report compiled by the postgraduate administration office, to the EXCO of the relevant school to continue in a registrar post. Following the aforementioned, the head of the relevant school must make a formal written recommendation to the Dean to request permission to continue in a registrar post. A student may only continue in a registrar post with written approval from the Dean.
- (f) For all **five-year** MMed programmes: Part I of the assessment must be passed in its entirety within 18 months after registration as a student (including additional examination). Only in **exceptional circumstances** may the HOD submit a written recommendation, together with an academic progress report compiled by the postgraduate administration office, to the EXCO of the relevant school to continue in a registrar post. Following the aforementioned, the head of the relevant school must make a formal written recommendation to the Dean to request permission to continue in a registrar post. A student may only continue in a registrar post with written approval from the Dean.
- (g) Failed modules or examinations must be successfully completed at the first following examination. Only in **exceptional circumstances** may the HoD submit a written recommendation, together with an academic progress report compiled by the postgraduate administration office, to the EXCO of the relevant school to miss the first following assessment. Following the aforementioned, the head of the relevant school must make a formal written recommendation to the Dean to request permission to miss the first following assessment. A student may only miss the first following assessment with written approval from the Dean.

Elucidation:

- (i) Disciplines could exercise the choice to personally conduct Part I of the assessment or to have it conducted by the relevant CMSA.
- (ii) Part I of the CMSA may be viewed and recognised as equal to Part I of the MMed programme. It must be recommended by the HoD and approved by the EXCO of the relevant school and Faculty Management.
- (iii) Exemption from basic modules may be granted on the recommendation of the HoD and approval of the EXCO of the relevant school after being satisfied that the student has passed an equivalent assessment at an institution recognised by the university.

Rule MGH2.7.2 Intermediate – Part II of the assessment: Five-year programmes

- (a) After a student has passed Part I, preferably 12 months must elapse before the student reports for Part II of the assessment, with the consent of the relevant HoD.
- (b) In five-year MMed programmes – Surgery, Cardiothoracic Surgery, Neurosurgery, Orthopaedic Surgery, Paediatric Surgery, Plastic Surgery and Urology: The MMed intermediary may or may not be offered at the discretion of the HoD in conjunction with the MMed committee; in which case the student will be required to write the CMSA intermediary examination. A student must pass Part II (subsidiary modules) in its entirety (including reassessment) within **36 months of registration as a student**. The HoD must recommend it, and it must be approved by the EXCO of the relevant school. All failed intermediate (Part II) examinations must be successfully completed at the first following examination. Only in exceptional circumstances may the HoD submit a written recommendation together with an academic progress report compiled by the postgraduate administration office to the EXCO of the relevant school to miss the first following assessment. A student may only miss the first following assessment with written approval from the Dean.
- (c) On the recommendation of the HoD and the approval by the EXCO of the relevant school, exemption from the university intermediate examination may be granted for the intermediate examination of the CMSA.

Rule MGH2.7.3

Final – Assessment of Part II of four-year programmes

Final – Assessment of Part III of five-year programmes

- (a) The final examination may not be written before the **commencement of the final year of study**, except upon recommendation of the HoD and approval of the EXCO of the relevant school and Faculty Management. Preferably 12 months must elapse after the previous examination has been successfully completed.
- (b) MMed (Chemical Pathology), (Medical Microbiology), (Haematology), (Anatomical Pathology) and (Medical Virology): Part II of the assessment may be written after a minimum of three academic years of study.
- (c) The mini-dissertation/publishable manuscript/published article must be submitted for assessment prior to registration for the final exit examination otherwise, admission to the examination will be refused.
- (d) All failed final examinations must be successfully completed at the first following examination. Only in **exceptional circumstances** may the HoD submit a written recommendation, together with an academic progress report compiled by the postgraduate administration office, to the EXCO of the relevant school to miss the first following assessment. A student may only miss the first following assessment with written approval from the Dean.
- (e) In accordance with the rules and regulations of the HPCSA, as from 2011, all students must write the final professional examination (final specialist examination) of the HPCSA as contracted to the CMSA at present.

Rule MGH2.7.4 Examination results

Within five working days after the preliminary examination results have been made known in the FHS, a student may apply to have a specific examination script reviewed for mistakes, should a written paper be involved.

Should there only be an oral assessment involved, points (a) to (f) are replaced with a discussion with the HoD. Should a student still be dissatisfied with the result, the student has the right to immediate appeal to the Academic Appeals Committee of the FHS. A written request in this regard must be submitted to the Deputy Director at least five days after the examination results have been made known.

Elucidation:

- (a) This request must be submitted to the office of the Deputy Director, room D211, Francois Retief Building. Copies are made of the written request of the student, the date affixed, and it is sent to the relevant HoD and Programme Director, in coordination with the Head of the School. Both the student and the office retain copies for record purposes.
- (b) The HoD will be notified telephonically by Faculty Administration.
- (c) The HoD will review the examination script for mistakes or to check if marks were added correctly and if all questions were marked. (No searching for marks will be tolerated.)
- (d) Should a change in marks need to be effected due to a calculation mistake or a question not marked, the details will be sent in writing to the Deputy Director and Head of the School.
- (e) The amendment of the mark, should it be to the benefit of the student, could be effected in cooperation with the Head of the School and the Dean.
- (f) Should the student still be dissatisfied with the results of the review of the examination script, the student has the right to immediate appeal via the HoD to the Dean for a re-marking of the examination script. A written request in this regard must also be submitted within the same five working days to the Deputy Director. Should the Head of the School/Dean approve the request, the HoD will be requested to re-mark the entire examination script.

- (g) The results in respect of the re-marking are sent to the Deputy Director for presentation to the Dean/Head of the relevant school. Should the results of the re-marking be to the benefit of the student, the amended mark will be awarded to the student, otherwise the original mark is maintained.
- (h) Costs may be incurred during the re-marking. The student will be liable for payment.
- (i) Should a student, after the aforementioned steps have been followed, still be dissatisfied with the results, the student has the right to immediate appeal to the Academic Appeals Committee of the FHS. A written request in this regard must be submitted to the Deputy Director no longer than five days after the examination results have been made known.
- (j) The decision of the Appeals Committee is final and the student will be informed in writing of the final result of the Appeals Committee. No subsequent motivations will be considered after the final decision of the Appeals Committee.

Rule MGH2.7.5 Additional examination

- (a) A student who has presented him-/herself for a final examination in a degree, which would have counted as a final assessment opportunity and then fails that assessment opportunity, may apply for no other final assessment opportunity until a remedial period has elapsed, as approved by the HoD.
- (b) An MMed student may not write an additional examination in a module before at least six months have elapsed after the assessment in which he had failed the module concerned.

Elucidation:

The student is expected to participate in the first following reassessment opportunity.

In the case of Part II and Part III of the assessment, the examination in its entirety must be repeated.

Rule MGH2.7.6 Pass with distinction

The student passes with distinction subject to the following:

- (a) A weighted average of at least 75% (rounded to the next integer that is 74, 5% to 75%) has been obtained based on the minimum number of modules prescribed for the qualification in question.
- (b) No module has been failed or repeated in an additional examination.
- (c) The Master's Degree research mini-dissertation or interrelated, publishable manuscripts/published article were not resubmitted for assessment purposes.
- (d) All components of the Master's Degree have been completed within the maximum consecutive years allowed for completion of the qualification.

Elucidation:

- (i) This must be read in conjunction with UFS general rule A84 (a).

Rule MGH2.7.7 Dean's medals and senate medals

- a. In each of the faculties, a Dean's Medal is awarded to a registered Master's Degree student who has obtained the highest weighted average percentage over all the study years, provided that
 - (i) the qualification was awarded with distinction and a weighted average of at least 80% (not rounded to the next integer) has been obtained, based on the minimum number of modules prescribed for the qualification in question; and
 - (ii) no module was failed or repeated in an additional examination. The result of a discontinuation of a module(s) will not be taken into account with the awarding of a Dean's Medal.
- a) A Senate Medal and Prize are awarded to a student who received a Dean's Medal and who obtained the highest weighted average percentage in all the faculties.

Elucidation:

- (i) To be read in conjunction with UFS general rule: A85 qualification certificates, Dean's medals and Senate medals.

Rule MGH2.7.8 Extension of the residency/study period

A student who has completed the prescribed residency period and has not passed the national exit examination, and/or has not passed the mini-dissertation may not continue with the programme without written approval.

Elucidation

- (i) The HoD is required to submit, for **special circumstances only**, a written recommendation together with an academic progress report compiled by the Postgraduate administration office to the EXCO of the relevant school. A student may only continue in a registered post with written approval from the EXCO of the relevant school.
- (ii) In the case of an application for a further extension of residency time, the HOD is required to submit, for **special circumstances only**, a written recommendation together with an academic progress report compiled by the Postgraduate administration office to the EXCO of the relevant school. Following the aforementioned, the Chair of the relevant EXCO will make a formal written recommendation to the Dean to consider for approval. The student may only continue in a registrar post with written approval from the Dean.

Elucidation:

- (i) The student may be appointed in a medical officer post if available during this time, but must still be a registered student with the university.

Rule MGH2.7.9 Conferment of the degree

Before the MMed degree is conferred, the student must convince the UFS of the successful completion of the following:

- Having held a full-time training post for a full residency period of four or five years at the training hospitals of the FHS at the UFS or another institution recognised as equivalent by the university (in accordance with the requirements of the relevant discipline).
- Receiving theoretical, practical, and clinical training for the prescribed duration of the degree programme.
- Satisfactorily attending Health Care Practice MGPV7900 and successfully completing Research Methodology NAMA 7903.
- Registering with the University as a student for the degree MMed for the prescribed period.
- Successfully completing and passing NAMB7900 (mini-dissertation/publishable manuscript/published article) in accordance with the requirements of the relevant MMed programme.
- Satisfactorily completing and submitting a Portfolio/Logbook (according to requirements of the relevant discipline).
- Passing the unitary exit examinations/final examinations.

Elucidation:

The registrar can only be signed off (for UFS and HPCSA purposes) once residency time has been completed, the final exit examination has been passed and the mini-dissertation has been passed, and corrections to the research manuscript have been completed. Refer to UFS General Rule A83.9 (d).

MASTER OF MEDICAL SCIENCE

Minimum 180 Credits

MMedSc

Rule MGH3 RULES FOR THE DEGREE MASTER OF MEDICAL SCIENCE

A student must comply with both the stipulations of the UFS General Rules for Master's degrees and the rules of the FHS.

Rule MGH3.1 Admission requirements

To be allowed to register for the degree MMedSc, a student must be in possession of one of the following:

- The degree BMedScHons or BScHons with the understanding that a student may be required to do supplementary work.

Rule MGH3.2 Disciplines

The MMedSc degree may be offered in any of the following disciplines in the FHS:

Discipline	Academic Plan Code	Module code
Anatomy and Cell Morphology	BC883000	ANMD8900
Anatomical Pathology	BC883200	MANP8900
Biostatistics	BC883100	MBST8900
Cardiothoracic Surgery	BC884200	MKTC8900
Chemical Pathology	BC883300	MCEP8900
Haematology and Cell Biology	BC884700	MHEM8900
Human Genetics	BC884500	MMNG8900
Human Molecular Biology	BC884100	MMBG8900
Immunology	BC883800	MIMN8900
Medical Microbiology	BC884800	MMKM8900
Medical Physics	BC883500	MPRS8900
Pharmacology (Analytical/Clinical)	BC883400	MFRM8900
Physiology	BC883600	PHMD8900
Virology	BC884000	MVIR8900

DOCTOR OF PHILOSOPHY

360 Credits

PhD

Rule MGH6 RULES FOR THE DEGREE DOCTOR OF PHILOSOPHY

The UFS General Rules in respect of doctoral degrees apply *mutatis mutandis* to this Faculty.

For admission to registration for the degree PhD, a student must comply with the stipulations of the UFS General Rules and be in possession of the appropriate Master's degree from the department concerned or any other qualification deemed equivalent by the university.

SCHOOL OF BIOMEDICAL SCIENCES	BC893200	Nuclear Medicine	MKGN9100
Anatomy and Cell Morphology	ANPH9100	Obstetrics and Gynaecology	MOBG9100
Biostatistics	MBST9100	Ophthalmology	MOFT9100
Human Molecular Biology	MMBG9100	Orthopaedic Surgery	MORT9100
Medical Physiology	PHPH9100	Otorhinolaryngology	MOTO9100
SCHOOL OF CLINICAL MEDICINE	BC893000	Paediatrics	MPED9100
Anaesthesiology	MANS9100	Pharmacology(Analytical/Clinical)	MFRM9100
Cardiology	MKTC9100	Plastic Surgery	MPUP9100
Cardiothoracic Surgery	MTTC9100	Psychiatry	MPSG9100
Clinical Radiobiology	MRBO9100	Radiographic Sciences	MDIR9100/MKGW9100
Community Health	MVKG9100	Radiation Oncology	MOKT9100
Critical Care	MKRS9100	Surgery	MCHR9100
Dermatology	MDER9100	Urology	MURL9100
Diagnostic Radiology	MDIR9100	SCHOOL OF PATHOLOGY	BC893100
Family Medicine	MHAK9100	Anatomical Pathology	MANP9100
Forensic Medicine	MGGN9100	Chemical Pathology	MCEP9100
Internal Medicine	MING9100	Haematology and Cell Biology	MHEM9100
Medical Physics	MPRD9100	Human Genetics	MHGP9100
Neurology	MNER9100	Medical Microbiology	MMKM9100
Neurosurgery	MNEU9100	Virology	MVIR9100

The PhD degree may be obtained in any of the following disciplines in the Faculty of Health Sciences:

DOCTOR OF MEDICINE **360 Credits**

DMed **Study code BC890000**

Rule MGH7 **RULES FOR THE DEGREE OF DOCTOR OF MEDICINE**

Rule MGH7.1 **Admission requirements**

A student must comply with both the stipulations of the UFS General Rules for doctoral degrees and with the special rules of the FHS.

The degree of Doctor of Medicine may be obtained in any of the following disciplines in the FHS:

Anaesthesiology	(MMNS9100)	Medical Physics	(MPMD9100)
Anatomical Pathology	(MMNP9100)	Medical Physiology	(PHPD9100)
Anatomy and Cell Morphology	(ANPD9100)	Neurology	(MMER9100)
Biostatistics	(MMTS9100)	Neurosurgery	(MMEU9100)
Cardiology	(MKTC9100)	Nuclear Medicine	(MMKN9100)
Cardiothoracic Surgery	(MTTC9100)	Obstetrics and Gynaecology	(MMOG9100)
Chemical Pathology	(MMEP9100)	Ophthalmology	(MMFT9100)
Clinical Radiobiology	(MMBO9100)	Orthopaedic Surgery	(MMRT9100)
Community Health	(MMKG9100)	Otorhinolaryngology	(MMTO9100)
Critical Care	(MMRS9100)	Paediatrics	(MMED9100)
Dermatology	(MMDE9100)	Pharmacology (Analytical/Clinical)	(MMRM9100)
Diagnostic Radiology	(MMIR9100)	Plastic Surgery	(MMUP9100)
Family Medicine	(MMHA9100)	Psychiatry	(MMSG9100)
Forensic Medicine	(MMGN9100)	Radiographic Sciences	(MMGW9100/MMIR9100)
Haematology and Cell Biology	(MMEM9100)	Radiation Oncology	(MMKT9100)
Human Molecular Biology	(MMMB9100)	Surgery	(MMHR9100)
Internal Medicine	(MMNG9100)	Urology	(MMRL9100)
Medical Microbiology	(MMKM9100)	Virology	(MVIR9100)

Elucidation:

- A Faculty Committee will assess the proposed project. The title of the thesis will be submitted to the Faculty Board only on the recommendation of the committee.
- After completion of the practical part of the research or at a time fixed by the promoter, the student must submit and justify his research results to the committee. The committee's recommendation will serve as guidelines for the promoter and the student.

DOCTOR OF MEDICAL SCIENCE **360 Credits**

DMedSc **Study code BC894000**

Rule MGH8 **RULES FOR THE DEGREE DOCTOR OF MEDICAL SCIENCE**

The degree DMedSc may be conferred on a person in possession of a doctoral degree who has, over a significant period, produced comprehensive publications of considerable quality in his/her discipline.

The module code of the relevant discipline comprises the abbreviation of the discipline, followed by the code **9100**.

For further details, see UFS General Rules.

POSTGRADUATE DIPLOMA IN MEDICAL PHYSICS **176 Credits**

PGDip (Medical Physics)

Study code BC851300

Rule MGH11 RULES FOR THE POSTGRADUATE DIPLOMA IN MEDICAL PHYSICS

The rules concerning postgraduate diplomas with the necessary adjustments are applicable to the FHS. These rules are included in the General Rules. It is the responsibility of students or prospective students to familiarise themselves with these rules.

From 2017, for new enrolments, 176 credits will be applicable with the four modules sharing on equal basis.

Rule MGH11.1 Admission requirements

The minimum entrance requirement is a BMedScHons (Medical Physics) or equivalent qualification with an appropriate composition. Students will be subject to selection. Additional information is included in the Selection Policy document. Students have to register with the HPCSA as intern medical physicists.

Rule MGH11.2 Admission of students from other universities

Rules A27 of the UFS General Rules apply. Students will only be allowed to enrol for the learning programme after submission of a syllabus and credits of each module passed. The department offering the programme will evaluate these modules. The department reserves the right to require that such a student pass an entrance examination.

Rule MGH11.3 Duration of programme

A minimum of two years study is required for the completion of the diploma.

Rule MGH11.4 Curriculum

Module

MPDR5810/ MPDR5820 Medical Physics for Radiotherapy I	44 credits
MPDH5810 / MPDH5820 Medical Physics for Radiotherapy II	44 credits
MPDI5810 / MPDI5820 Medical Physics for Diagnostic Radiology	44 credits
MPDM5810/ MPDM5820 Medical Physics for Nuclear Medicine	44 credits

Elucidation:

Some modules can be offered at external centres.

This Postgraduate Diploma complies with the requirements on practical training (internship) prescribed by the HPCSA for registration as an independent practice medical physicist.

Rule MGH11.5 Assessment

The final module mark comprises marks obtained by means of written reports, oral assessment, and other tasks as stipulated in the module guide.

Rule MGH11.6 Pass with distinction

The Postgraduate Diploma is awarded with distinction if:

- (i) A total weighted average mark of 75% is obtained.
- (ii) The Postgraduate Diploma has been obtained within the minimum prescribed period of two years.

Rule MGH11.7 Pass requirements

See UFS General Rules.

POSTGRADUATE DIPLOMA IN CLINICAL PHARMACOLOGY

128 Credits

PGDip (Clinical Pharmacology)

Study code BC858212

Rule MGH12 RULES FOR THE POSTGRADUATE DIPLOMA IN CLINICAL PHARMACOLOGY

Rule MGH12.1 Admission requirements

MBChB or BPharm

Rule MGH12.2 Duration of programme

One year (full time), two years (part-time)

Rule MGH12.3 Curriculum

- Assignments (Clinical Pharmacology and Clinical Toxicology)
- Case reports
- Mini-dissertation/dissertation

Semester 1: Advanced Clinical Pharmacology MACA5810 64 credits

Semester 2: Advanced Clinical Pharmacology MACB5820 64 credits

Each student will propose and undertake a clinical pharmacology research project under the guidance of a staff member. The research project, preferably original but not necessarily so, may be taken on any aspect of clinical pharmacology as will be advised by the HOD.

Rule MGH12.4 Assessment

Assessment is conducted by continuous assessment where the final mark will be determined by proportions of marks obtained from progressive assessments and marks from a completed research project. The average contribution to the final score will be as follows:

a. MACA5810: Assignments in Clinical Pharmacology and Clinical Toxicology:	
Two tests of two hours each and an examination of three hours:	50%
b. MACB5820: Case reports (an average score for five case reports):	20%
c. MACB5820: Presentation of Mini-dissertation	30%
Total mark:	100%

Rule MGH12.5 Pass requirements

See UFS General Rules.

POSTGRADUATE DIPLOMA IN TRANSFUSION MEDICINE

120 Credits

PGDip (Transfusion Medicine) (*In abeyance*)

Study code BC822300

Rule MGH13 RULES FOR THE POSTGRADUATE DIPLOMA IN TRANSFUSION MEDICINE

Rule MGH13.1 Admission requirements

Before a student may register for the Postgraduate Diploma, he/she must be in possession of a Bachelor of Medicine and Bachelor of Surgery (MBChB), or equivalent. Students must be registered as an independent medical practitioner with the HPCSA or equivalent body in their country of origin.

It is compulsory for students to have access to internet and email facilities. The attendance of all contact sessions is compulsory. If there are more than 15 applications, preference may be given to students from South Africa and those working actively in transfusion medicine. Students may be subjected to a language proficiency test, if deemed necessary.

Rule MGH13.2 Duration of programme

The programme extends over two years and is only offered on a part time basis.

Rule MGH13.3 Curriculum

Part I

(i)	MTMO5804	Organisation and Management of a Transfusion Service	16 credits
(ii)	MTMP5804	Principles of Blood Banking and Fractionation of Blood	16 credits
(iii)	MTMA5804	Administering Blood Products	16 credits

Part II

(i)	MTMC5809	Clinical Application of Blood Products	36 credits
(ii)	MTMT5805	Complications of Transfusion	20 credits
(iii)	MTMD5804	Developments in Transfusion Medicine	16 credits

The modules will only be presented in English, but written and oral assessments, as well as assignments, may be done in Afrikaans or English. All electronic communication will be conducted in English.

Rule MGH13.4 Assessment

Different forms of assessments will be used in each separate module (i.e. written, oral, group work, etc.). Students must achieve a subminimum of 50% in each module to pass. A student passes with distinction if a weighted average assessment mark of 75% or more is obtained.

Rule MGH13.5 Pass requirements

See UFS General Rules.

Rule MGH13.6 Additional examination

If less than 50% is achieved in any module, an oral or written assessment may be conducted to ensure adequate integrated assessment students may be admitted to an additional examination in accordance with stipulations of the General Rules. Further supplementary assessments may be allowed on approval by the Dean and on the recommendation of the HoD.

POSTGRADUATE DIPLOMA IN DIAGNOSTIC RADIOGRAPHY 120 Credits

PGDip Diagnostic Radiography (*In abeyance*) Study code 8203

Rule MGH14 RULES FOR THE POSTGRADUATE DIPLOMA IN DIAGNOSTIC RADIOGRAPHY

A student must comply with the provisions of the UFS General Rules for Postgraduate Diplomas as well as the rules of the FHS

Rule MGH14.1 Admission requirements

Before a student may enrol for the PGDip Diagnostic Radiography, he/she must:

- Be in possession of at least a three-year BRad or equivalent qualification.
- Be admitted to the status of the three-year BRad degree on the recommendation of the FHS.
- Be appointed as diagnostic radiographer at an accredited training hospital that has the appropriate facility at its disposal.
- Be registered as diagnostic radiographer with the HPCSA.

Remark:

Only a limited number of students can be admitted per study direction annually.

Rule MGH14.2 Duration of programme

The duration of the programme extends over two semesters, offered on a full-time basis.

Rule MGH14.3 Disciplines

The Postgraduate Diploma in Diagnostic Radiography may be obtained in the following disciplines: Mammography, Computer Tomography, Magnetic Resonance, and Vascular/Interventional.

Rule MGH14.4 Curriculum

First Semester:

(i)	MAPS5810	Applied Physics	30 credits
(ii)	MRAR5810	Radiographic Anatomy/Physiology/Pathology	30 credits

Second Semester:

(i)	MRTR8520	Radiographic Practice	30 credits
(ii)	MPCR8520	Clinical Radiographic Practice	30 credits

Rule MGH14.5 Assessment

Assessment is conducted in the following manner:

Two two-hour question papers per semester

Oral - second semester

Research project - second semester

Rule MGH14.6 Pass requirements

See UFS General Rules.

POSTGRADUATE DIPLOMA IN OCCUPATIONAL HEALTH

120 Credits

PGDip (Occupational Health) (*In abeyance*)

Study code BC852000

Rule MGH15 RULES FOR THE POSTGRADUATE DIPLOMA IN OCCUPATIONAL HEALTH

Rule MGH15.1 Admission requirements

Before a student may register for the diploma, he/she must have been in possession of a Bachelor of Medicine and Bachelor of Surgery (MBChB) or its equivalent for a period of at least two years, and he/she must also be registered as an independent medical practitioner with the

HPCSA.

An additional requirement for foreign medical practitioners, including medical practitioners from the Southern Africa Developing Countries (SADC), for the registration as students for this diploma course is that medical practitioners should be registered for postgraduate studies with the HPCSA, as stipulated by the HPCSA and Health Professions Act no. 56 of 1974.

It is compulsory for students to have access to internet and email facilities.

Preference will be given to medical practitioners working in the Free State and students currently employed in an occupational health setting.

Rule MGH15.2 Duration of programme

The programme extends over two years and is offered part-time only.

Rule MGH15.3 Curriculum

Part I

(i)	MOHA5805	Occupational Health Administration (Part I)	20 credits
(ii)	MOHT5805	Clinical Occupational Health and Toxicology (Part I)	20 credits
(iii)	MOHB5805	Occupational Epidemiology and Biostatistics (Part I)	20 credits

Part II

(i)	MOHD5805	Occupational Health Administration Part II	20 credits
(ii)	MOHO5805	Clinical Occupational Health and Toxicology Part II	20 credits
(iii)	MOHI5805	Occupational Epidemiology and Biostatistics Part II	20 credits

The module will be presented only in English, and all written and oral assessments, as well as other assignments, must be conducted in English. All electronic communications will be conducted in English. Additional information will be provided in the guideline document for each module.

Rule MGH15.4 Assessment

A written assessment must be conducted in each module as specified. An oral assessment may be conducted at the end of the programme. Admission to the assessment will be subject to UFS General Rules concerning postgraduate diploma and advanced university diplomas of the University as well as the student attending contact sessions and participating in electronic sessions. A student will pass with distinction if he/she obtains a weighted average of 75% or higher.

Rule MGH15.5 Pass requirements

See UFS General Rules.

Rule MGH15.6 Additional examination

In accordance with stipulations of the General Rules, students may be admitted to an additional examination. Further assessments may be allowed after six months with the approval of the Head of the School on the recommendation of the HOD.

POSTGRADUATE DIPLOMA IN COMMUNITY HEALTH

120 Credits

PGDip (Community Health) (*In abeyance*)

Study code 8230

Rule MGH16 RULES FOR THE POSTGRADUATE DIPLOMA IN COMMUNITY HEALTH

Rule MGH16.1 Admission requirements

Before a student may register for the Postgraduate Diploma, he/she must have been in possession of a professional qualification at Bachelor's level or equivalent in one of the following professional disciplines: Medicine, Nursing or Environmental Health, for a period of at least two years, and he/she must be registered as a medical practitioner, nurse or environmental health officer with the relevant professional board.

Rule MGH16.2 Duration of programme

The programme extends over two years and is offered part-time only.

Rule MGH16.3 Curriculum

Part I

(i)	MGGA5803	Microbiology (assessment course)	10 credits
(ii)	MGGB5808	Parasitology and Entomology (assessment course)	24 credits
(iii)	MGGC5809	Food and Water (including diseases, hygiene and food science) (assessment course)	24 credits

Part II

(i)	MGGD5801	Epidemiology and Medical Statistics (assessment course)	4 credits
(ii)	MGGE5807	Health Administration including Basic Financial Management, Accounting and Business Economics (assessment course)	20 credits
(iii)	MGGF5805	Health Legislation (assessment course)	12 credits
(iv)	MGGG5806	Comprehensive Health Care (assessment course)	20 credits
(v)	MGGH5802	Environmental Health Care (assessment course)	6 credits

Rule MGH16.4 Assessment

A written assessment must be conducted in each separate module as specified. Admission to the assessment will be subject to the student attending contact sessions. An oral assessment will be conducted at the end of the module. A research report/project should also be completed as part of the assessment process. A student passes with distinction if he/she obtains a weighted average of 75% or more.

Rule MGH16.5 Pass requirements

See UFS General Rules.

Rule MGH16.6 Additional examination

Students may be admitted to an additional examination in accordance with the stipulations of the General Rules. Further supplementary assessments may be allowed after six months upon approval by the Head of the School and on the recommendation of the HoD.

Rule MGH16.7 Credit for modules after obtaining a certificate or diploma at a recognised university/Higher Education Institution

Credit for certain modules already passed for another certificate/diploma may be granted to a student provided that:

- (a) Credit may be granted for a maximum of half of the qualification's total credits.
- (b) The student must be registered for the new diploma for at least one academic year.

POSTGRADUATE DIPLOMA IN HEALTH SERVICES MANAGEMENT **120 Credits**

PGDip (Health Services Management) (*In abeyance*) **Study code 8240**

Rule MGH17 RULES FOR THE POSTGRADUATE DIPLOMA IN HEALTH SERVICES MANAGEMENT

Rule MGH17.1 Admission requirements

Before a student may register for the Postgraduate Diploma, he/she must have been in possession of a professional qualification at Bachelor's level or equivalent in a specific health speciality, and he/she must be registered with the relevant professional council. He/she must be appointed in a health care organisation/institution.

Rule MGH17.2 Duration of programme

The programme extends over two years and is offered part-time only.

Rule MGH17.3 Curriculum

Part I

(i)	MHSA5800	Concepts in Health Care	15 credits
(ii)	MHSB5800	Principles of Management	15 credits
(iii)	MHSC5800	Health Care Planning	15 credits
(iv)	MHSD5800	Epidemiology and Statistics	15 credits

Part II

(i)	MHSE5800	Health Programme and Specialised Services	15 credits
(ii)	MHSF5800	Human Resources Management	15 credits
(iii)	MHSG5800	Management of Resources	15 credits
(iv)	MHSH5800	Quality Assurance	15 credits

Rule MGH17.4 Assessment

A written assessment must be conducted in each individual module as specified. An oral assessment will be conducted at the end of the module. Admission to the assessment will be subject to the attendance of contact sessions. A research report/project must also be completed as part of the assessment process. A student passes with distinction if he/she obtains a weighted average of 75% or more.

Rule MGH17.5 Pass requirements

See UFS General Rules.

Rule MGH17.6 Additional examination

Students may be admitted to an additional examination in accordance with the stipulations of the General Rules. Further assessments may be allowed after six months with the approval of the Head of the School of Clinical Medicine on the recommendation of the HoD.

Rule MGH17.7 Credit for modules after obtaining a certificate or diploma at a recognised university/Higher Education Institution

Credit for certain modules already passed for another certificate/diploma may be granted to a student provided that:

- (a) Credit is granted for a maximum of half of the modules.
- (b) The student must be registered for the new diploma for at least one academic year.

MASTER OF PHILOSOPHY QUALIFICATIONS (subspecialist training)

Rule MGH19 General

The Master of Philosophy is a master's degree by coursework and mini-dissertation: A coursework programme requiring a high level of theoretical engagement and intellectual independence, and in some cases, demonstration of the ability to relate knowledge to a range of contexts for professional practice. The qualification equals 300 credits, and the minimum duration of study is two years. Students are required to complete a mandatory research project (60 credits), accompanied by a mini-dissertation providing evidence that the student has obtained knowledge and competencies required at NQF Exit Level 9.

The MPhil in Interventional Radiology is not yet a registered sub-speciality category at the HPCSA. The HPCSA does not guide the training requirements of this qualification. However, the UFS offers this degree as an MPhil qualification.

Rule MGH19.1 Disciplines

The MPhil degree may be obtained in the following disciplines:

1. Endocrinology (Internal Medicine)	9. Paediatric Oncology (Paediatrics)
2. Gastroenterology (Internal Medicine)	10. Gastroenterology Surgery (Surgery)
3. Geriatric Medicine (Internal Medicine)	11. Trauma Surgery (Surgery)
4. Nephrology (Internal Medicine)	12. Vascular Surgery (Surgery)
5. Pulmonology (Internal Medicine)	13. Critical Care (Anaesthesiology, Internal Medicine, Neurosurgery, Emergency Medicine, Obstetrics and Gynaecology, Cardiothoracic Surgery, General Surgery, Paediatrics)
6. Clinical Haematology (Haematopathology/ Internal Medicine)	14. Neonatology (Paediatrics)
7. Interventional Radiology (Diagnostic radiology)	15. Infectious Disease (Internal Medicine)
8. Paediatric Cardiology (Paediatrics)	

Rule MGH19.1.2 Admission requirements

Admission to the MPhil degree programme is determined in accordance with the UFS General Rules for Postgraduate Qualifications and the Rules of the FHS.

The following applies to students registering for the MPhil degree:

- (a) Students will be admitted to the programme if they are either in possession of a MMed degree or a Fellow with the Colleges of Medicine of South Africa or have an equivalent qualification.
- (b) Must be registered as a specialist in independent practice at the relevant professional board in the base or one of the base specialities of the HPCSA against the relevant required subspecialty.
- (c) Students must be appointed in or hold a supernumerary position in an HPCSA approved available training post at an accredited facility
- (d) Approved academic hospital and the post must be registered as an allocated training post with the HPCSA for the particular discipline. Students must adhere to the additional discipline-specific requirements of the academic structures concerned, as well as the specific requirements of the particular Colleges of Medicine concerned.
- (e) In the case of supernumerary appointments of foreign students who are not fully registered with the HPCSA, each case will be dealt with on merit according to the prescriptions of the HPCSA. The foreign students register as postgraduate students at the HPCSA. If successful, these students may obtain a degree but will not be able to practise in South Africa without approval and registration by the HPCSA.
- (f) After a selection process, Training commences after the student has been appointed in an above-mentioned post and after he/she has received an HPCSA training number from the Postgraduate Administrative Office of the FHS. Students that apply must also avail themselves to the required training platforms and have the required clinical experience.
- (g) The student should have identified a research topic prior to admission.
- (h) Students that apply must avail themselves to the required training platforms and have the required clinical experience, including work done as part of overtime requirements for the specific departments.

Elucidation:

- (i) The student registers in the first year of the MPhil programme at the FHS as a postgraduate student and is allocated a student number.

- (ii) The student must simultaneously register at the HPCSA as a specialist in the relevant discipline and is allocated a HPCSA board number.
- (iii) After the first year, the student must register annually at the beginning of each year as a postgraduate student at the UFS and as a specialist in the relevant discipline with the HPCSA as described above.
- (iv) If the student is not appointed to the post of fellow and discontinues the MPhil programme, class fees will not be refunded.
- (v) In circumstances where extended leave for illness (for more than one month per year, including incapacity leave or pregnancy) is granted, additional time will be added at the end of the training period to allow for adequate training and as prescribed by the HPCSA from time to time.

Rule MGH19.1.3 Duration of programme

- (a) The duration of training extends over two to three years full time, depending on the requirements of the discipline under which the major module falls.

Rule MGH19.1.4 Curriculum

The curriculum for the various disciplines in which the student may obtain the MPhil degree comprises the compulsory generic module mentioned in Rule MGH19.1.4.1, as well as the discipline-specific curriculum relevant major modules.

Rule MGH19.1.4.1. Research component of the MPhil

A. Research component 60 Credits

Rule MGH19.1.4.1 applies to:

- MPhil Endocrinology (MAED7900)
- MPhil Gastroenterology (MAGD7900)
- MPhil Geriatric Medicine (MAGM7900)
- MPhil Nephrology (MAND7900)
- MPhil Pulmonology (MAPD7900)
- MPhil Clinical Haematology (MCHD7900)
- MPhil Interventional Radiology (MIRD7900)
- MPhil Paediatric Cardiology (MPCD7900)
- MPhil Paediatric Oncology (MPOD7900)
- MPhil Gastroenterology Surgery (MGSD7900)
- MPhil Trauma Surgery (MTSD7900)
- MPhil Vascular Surgery (MVSD7900)
- MPhil Critical Care (MCCD7900)
- MPhil Neonatology (MPND7900)
- MPhil Infectious Disease (MIDD7900)

The research component of the MPhil programme comprises of a discipline-specific mini-dissertation/publishable manuscript/published article. It is assumed that students have completed a research methodology course. Students who have not completed a research methodology course have to complete the NAMA7903 research methodology course.

Mini-dissertation

- (i) The MPhil Research Report comprises one of the following:
 - Original research
 - A systematic review, meta-analysis
- (ii) The manuscript submitted for assessment should be in one of the following formats:
 - Mini-dissertation (20 000 – 30 000 words).
 - Publishable manuscript (accompanied by a literature review – between 3000 and 4000 words).
 - Published article in a peer-reviewed DHET accredited journal.
- (iii) Disciplines individually determine which mode of presentation is appropriate.
- (iv) For all disciplines, a protocol that is approved by the supervisor, departmental research committee as well as the Head of Department, must be submitted to and approved by the HSREC. A copy of the final HSREC approval must be submitted to the Postgraduate Administration office, together with a timeframe for completion of the mini-dissertation.
- (v) (v) Mode of presentation [UFS General Rule A74 (iii) (bb)]:
- (vi) A Master's by coursework involves a mini-dissertation or one publishable manuscript/published article in the place of a mini-dissertation.
- (vii) [UFS General Rule A74 (iii) (aa)]: An introduction and a conclusion must form part of the research work that has been done by the student when publishable manuscripts/published article is submitted in the place of a mini-dissertation (Guidelines on mode of presentation is available from the Postgraduate Administration office).

- (viii) A protocol for the mini-dissertation that has been approved by the UFS Health Sciences Research Ethics Committee must be submitted within six (6) months of first registration.
- (ix) The mini-dissertation/publishable manuscript/published article have to be submitted for assessment prior to registration for the final exit examination. A student who has not submitted the mini-dissertation/publishable manuscript/published article may not register for the final exit examination. Only in **exceptional circumstances** may the HoD submit a written recommendation, together with an academic progress report compiled by the Postgraduate Administration office, to the EXCO of the relevant school for permission to register for the final exit examination.

Assessment of the research component

- (i) All UFS General Rules pertaining to the assessment of the mini-dissertation/publishable manuscript/published article of the coursework Master's Degree applies.
- (ii) The mini-dissertation/publishable manuscript/published article has to be assessed by two assessors, of which at least one has to be an external assessor.
- (iii) The Supervisor, in collaboration with the HoD and Head of the Clinical Unit, will be responsible for nominating either one external (a person not affiliated with the UFS however affiliated with another tertiary training institution and regarded as an expert in the field) and one internal assessor (who must not be either the supervisor or co-supervisor), or two external assessors for the assessment of the mini-dissertation/publishable manuscript/published article.
- (iv) As soon as the supervisor has indicated that the student is ready to submit, the HoD should supply the postgraduate administration office with the names and contact details of the nominated assessors, after which the postgraduate administration office will officially notify the assessors of their nomination.
- (v) The mini-dissertation/publishable manuscript/published article must be submitted to the postgraduate administration office, who will then forward the documents to the assessors. All assessors' reports, mark sheets, and communication must be submitted via the postgraduate administration office.
- (vi) The mini-dissertation/publishable manuscript/published article must be passed individually in order for the MPhil degree to be conferred.

Rule MGH19.1.5 Assessment

A. Continuous assessment and clinical experience

- (a) Continuous assessment with appropriate feedback is done by the relevant department throughout the course of the training as per HPCSA guidelines. External assessment could be involved.
- (b) The Head of Clinical Unit and the Head of Department must confirm that the student is competent prior to admission to the final examination.
- (c) A professional portfolio of evidence must be kept, which includes all academic and clinical activities and this should include a logbook of procedures performed.
- (d) Formal assessment of the portfolio/logbook may be performed in accordance with HPCSA requirements.
- (e) MPhil students will participate in undergraduate and post-graduate training and assessment subject to the rules that apply in the individual departments.

B. Assessment of the discipline specific modules

- (i) Students may write for the assessments in the first semester or second semester.
- (ii) Students may only register for the final exit examination with the approval of the HoD and Head of Clinical Unit. Read in conjunction with **MGH19.1.4.1 mini-dissertation (vi)**
- (iii) The student must notify the postgraduate administration office of the Faculty of Health Sciences in writing of their intention to participate in the final exit examination.
- (iv) The format of the assessment will be determined by the appointed national exit examination body (currently the College of Medicine of South Africa). The MPhil subspecialty qualifications in the various subspecialties of the Colleges of Medicine of South Africa are recognised as equivalent to the successful completion of non-research discipline-specific modules of the MPhil qualification:-
- (v) Approval to register for the final exit examination will only be granted on condition that the research component has been submitted to the postgraduate office for assessment.
- (vi) Approval to register for the final exit examination must be granted by the relevant structures in the University before enrolment for the examination.

Rule MGH19.1.6 Examinations and pass requirements

- (i) Submission of a satisfactory logbook of clinical cases and pass outcome of research components prior to admission to writing the examination of the relevant College of Medicine.
- (ii) Successful completion of the examination of the relevant College of Medicine will be recognised as credit for the non-research discipline-specific modules.
- (iii) The research component must be passed independently in order for the MPhil degree to be awarded.

Rule MGH19.1.7 Additional examination

- (i) A student who has presented him-/herself for a final examination in a degree, which would have counted as a final assessment opportunity and then fails that assessment opportunity, may apply for no other final assessment opportunity until a remedial period as approved by the HoD.
- (ii) An MPhil student may not write an additional examination for a discipline-specific module until at least six months have elapsed after the assessment in which he/she had failed the module concerned.

Elucidation:

The student is expected to participate in the first following reassessment opportunity.

Rule MGH19.1.8 Pass with distinction

The student passes with distinction subject to the following:

- (a) A weighted average of at least 75% rounded to the next integer that is 74, 5% to 75%) has been obtained based on the minimum number of modules prescribed for the qualification in question.
- (b) No module has been failed or repeated in an additional examination.
- (c) The Master's Degree research mini-dissertation or interrelated, publishable manuscripts/published article were not resubmitted for assessment purposes.
- (d) All components of the Master's Degree have been completed within the maximum consecutive years allowed for completion of the qualification.

Elucidation:

- (i) This must be read in conjunction with UFS general rule A84 (a).

Rule MGH19.1.9 Dean's medals and senate medals

- (i) i) In each of the faculties, a Dean's Medal is awarded to a registered Master's Degree student who has obtained the highest weighted average percentage over all the study years provided that :
 - (a) the qualification was awarded distinction, and a weighted average of at least 80% (not rounded to the next integer) has been obtained, based on the minimum number of modules prescribed for the qualification in question; and
 - (b) no module was failed or repeated in an additional examination. The result of a discontinuation of a module(s) will not be taken into account with the awarding of a Dean's Medal.
 - (c) A Senate Medal and Prize are awarded to a student who received a Dean's Medal and who obtained the highest weighted average percentage in all the faculties

Elucidation:

- (i) To be read in conjunction with UFS general rule: A85 qualification certificates, Dean's medals and Senate medals.

Rule MGH19.1.10 Extension of the residency/study period

A student who has completed the prescribed residency period and has not passed the national exit examination and/or has not passed the mini-dissertation may not continue with the programme without written approval.

Elucidation

- (i) The HoD is required to submit for **special circumstances only** a written recommendation together with an academic progress report compiled by the Postgraduate administration office to the EXCO of the relevant school. A student may only continue in a registered post with written approval from the EXCO of the relevant school.
- (ii) In the case of an application for a further extension of residency time, the HOD is required to submit for **special circumstances only**, a written recommendation together with an academic progress report compiled by the Postgraduate administration office to the EXCO of the relevant school. Following the aforementioned, the Chair of the relevant EXCO will make a formal written recommendation to the Dean to consider for approval. The student may only continue with the MPhil with written approval from the Dean.
- (iii) The student may be appointed in a consultant post if available during this time but must still be a registered student at the university.

Rule MGH19.1.11 Conferment of the degree

Before the MPhil degree is conferred, the student must convince the UFS of the successful completion of the following:

- (a) Having held a full-time training post for a full residency period as stipulated by the specific discipline at the training hospitals of the FHS at the UFS or another institution recognised as equivalent by the university (in accordance with the requirements of the relevant discipline).

- (b) Receiving theoretical, practical, and clinical training for the prescribed duration of the degree programme.
- (c) Registered at the University as a student for the degree MPhil for the prescribed period.
- (d) The mini-dissertation has been passed, and corrections to the research manuscript have been completed. Refer to UFS General Rule A83.9 (d).
- (e) Satisfactorily completion and submission of a Portfolio/Logbook (according to requirements of the relevant discipline).
- (f) Pass the national exit examination. Where a national exit examination is not offered (e.g. MPhil in Interventional Radiology), an equivalent assessment conducted by an examination body as appointed by the University of the Free State must be passed.

MASTER OF PHILOSOPHY IN ENDOCRINOLOGY 300 Credits

MPhil (Endocrinology) *Study code BC870040*

Rule MGH19.2 RULES FOR THE MASTER OF PHILOSOPHY IN ENDOCRINOLOGY

Rule MGH19.2.1 Admission requirements

Registered with the HPCSA as a Specialist in Internal Medicine.

Rule MGH19.2.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS

Rule MGH19.2.3 Curriculum

MAEA7900	Advanced Endocrinology 1	Year 1	120 credits
MAEB7900	Advanced Endocrinology 2	Year 2	120 credits
MAED7900	Endocrinology Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.2.4 Assessment

- (i) The sub-speciality in Endocrinology and Metabolism of the College of Physicians of South Africa is the only acceptable exit examination and is recognised as being equivalent to the successful completion of the Advanced Endocrinology modules (240 credits).

MASTER OF PHILOSOPHY IN GASTROENTEROLOGY 300 Credits

MPhil (Gastroenterology) *Study code BC870013*

Rule MGH19.3 RULES FOR THE MASTER OF PHILOSOPHY IN GASTROENTEROLOGY

Rule MGH19.3.1 Admission requirements

Registered with the HPCSA as a Specialist in Internal Medicine.

Rule MGH19.3.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.3.3 Curriculum

The principles and practice of Clinical Gastroenterology are dealt with.

MAGA7900	Advanced Gastroenterology 1(Theory and Clinical Practice)	Year 1	120 credits
MAGB7900	Advanced Gastroenterology 2(Theory and Clinical Practice)	Year 2	120 credits
MAGD7900	Gastroenterology Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.3.4 Assessment

- (i) The sub- specialty in Gastroenterology of the College of Physicians of South Africa is the only acceptable exit examination and is recognised as being equivalent to the successful completion of the Advanced Gastroenterology modules (240 credits).

MASTER OF PHILOSOPHY IN GERIATRIC MEDICINE

300 Credits

MPhil (Geriatric Medicine)

Study code BC870018

Rule MGH19.4 RULES FOR THE MASTER OF PHILOSOPHY IN GERIATRIC MEDICINE

Rule MGH19.4.1 Admission requirements

Registered with the HPCSA as a Specialist in Internal Medicine.

Rule MGH19.4.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.4.3 Curriculum

The principles and practice of Clinical Geriatric Medicine are dealt with.

MGMA7900	Advanced Geriatric Medicine 1	Year 1	120 credits
MGMB7900	Advanced Geriatric Medicine 2	Year 2	120 credits
MGMM7900	Geriatric Medicine Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.4.4 Assessment

- (i) The sub-speciality Geriatric Medicine of the College of Physicians of South Africa is the only acceptable exit examination and is recognised as being equivalent to the successful completion of the Geriatric Medicine modules (240 credits).

MASTER OF PHILOSOPHY IN NEPHROLOGY

300 Credits

MPhil (Nephrology)

Study code BC870017

Rule MGH19.5 RULES FOR THE MASTER OF PHILOSOPHY IN NEPHROLOGY

Rule MGH19.5.1 Admission requirements

Registered with the HPCSA as a Specialist in Internal Medicine.

Rule MGH19.5.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.5.3 Curriculum

The principles and practices of Clinical Nephrology are dealt with.

MANA7900	Advanced Nephrology 1 (Theory and clinical Practice)	Year 1	120 credits
MANB7900	Advanced Nephrology 2 (Theory and clinical Practice)	Year 2	120 credits
MAND7900	Nephrology Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.5.4 Assessment

The sub-speciality in Nephrology of the College of Physicians of South Africa is the only acceptable exit examination and is recognised as being equivalent to the successful completion of the Advanced Nephrology modules (240 credits).

MASTER OF PHILOSOPHY IN PULMONOLOGY

300 Credits

MPhil (Pulmonology) Study code BC871200

Rule MGH19.6 RULES FOR THE MASTER OF PHILOSOPHY IN PULMONOLOGY

Rule MGH19.6.1 Admission requirements

Registered with the HPCSA as a Specialist in Internal Medicine.

MMed (Internal Medicine) or FCP (SA) (Fellow of the College of Physicians of South Africa)

Rule MGH19.6.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.6.3 Curriculum

The principles and practice of Clinical Pulmonology are dealt with.

MAPA7900	Advanced Pulmonology 1	Year 1	120 credits
MAPC7900	Advanced Pulmonology 2	Year 2	120 credits
MAPD7900	Pulmonology Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.6.4 Assessment

- (i) The subspecialty in Pulmonology of the College of Physicians of South Africa is the only acceptable exit examination and is recognised as being equivalent to the successful completion of the Advanced Pulmonology modules (240 credits).

MASTER OF PHILOSOPHY IN CLINICAL HAEMATOLOGY 300 Credits

MPhil (Clinical Haematology) Study code BC870014

Rule MGH19.7 RULES FOR THE MASTER OF PHILOSOPHY IN CLINICAL HAEMATOLOGY

Rule MGH19.7.1 Admission requirements

Before a student will be permitted to enrol for the qualification, he/she has to comply with one the following requirements:

- Registered with the HPCSA as a Specialist in Internal Medicine or as Haematology Pathologist.
- Be registered with the HPCSA as Physician: MMed (Internal Medicine), or an equivalent qualification.
- Be registered with the HPCSA as Haematological Pathologist: MMed (Haematology), or an equivalent qualification.

Rule MGH19.7.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.7.3 Curriculum

The principles and practice of Clinical Haematology are dealt with. Students who are qualified as physicians on adult haematological conditions. All aspects of clinical and laboratory haematology are covered.

MCHA7900	Advanced Clinical Haematology 1	Year 1	120 credits
MCHB7900	Advanced Clinical Haematology 2	Year 2	120 credits
MCHD7900	Clinical Haematology Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.7.4 Assessment

The sub-speciality in Clinical Haematology of the College of Physicians of South Africa or the College of Pathologists of South Africa are the only acceptable exit examinations and are recognised as being equivalent to the successful completion of the Advanced Haematology modules (240 credits).

MASTER OF PHILOSOPHY IN INTERVENTIONAL RADIOLOGY 300 Credits

MPhil (Interventional Radiology) (*In abeyance*) Study code BC870015

Rule MGH19.8 RULES FOR THE MASTER OF PHILOSOPHY IN INTERVENTIONAL RADIOLOGY

A student must comply with the UFS General Rules for postgraduate qualifications as well as the Rules of the FHS.

Rule MGH19.8.1 Admission requirements

Registered with the HPCSA as a Specialist in Diagnostic Radiology

Rule MGH19.8.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.8.3 Curriculum

The principles and practice of Advanced Clinical Imaging are dealt with.

MIBP7900	Basic Principles in IR	Year 1	40 credits
MICP7900	Basic IR Clinical Practice	Year 1	40 credits
MIAA7900	Advanced IR Practice 1	Year 2	80 credits
MIAB7900	Advanced IR Practice 2	Year 2	80 credits
MIRD7900	Clinical Imaging Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.8.4 Assessment

- (i) The examination comprises one three (3)- hour written examinations per semester, an OSCA as well as an oral session averaging 15-30 minutes in the 4th semester.
- (ii) Logbook/portfolio evidence for Clinical Imaging Practice.
- (iii) Students are requested to submit a research project at least six (6) months before the final examination is written. The research report must be passed individually in order to obtain the qualification. (cf. Section 9 – postgraduate policies, procedures and rules). The MPhil exit level examination is currently written at the UFS, but an equivalent examination may be written at the European Board of Interventional Radiology (EBIR) or at the College of Radiologists in South Africa if approval by the Head of the Department.

MASTER OF PHILOSOPHY IN PAEDIATRIC CARDIOLOGY *300 Credits*

MPhil (Paediatric Cardiology)

Study code BC870016

Rule MGH19.9 RULES FOR THE MASTER OF PHILOSOPHY IN PAEDIATRIC CARDIOLOGY

Rule MGH19.9.1 Admission requirements

Registered with the HPCSA as a Specialist in Paediatrics

Rule MGH19.9.2 Duration of programme

Three years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.9.3 Curriculum

The principles and practice of Paediatric Cardiology are dealt with.

MPCE7900	Advanced Paediatric Cardiology Echocardiography	Year 1	60 credits
MPCA7900	Advanced Paediatric Cardiology Anatomy	Year 1	60 credits
MPCP7900	Advanced Paediatric Cardiology Physiology	Year 1-2	60 credits
MCPH7900	Advanced Paediatric Cardiology Health Care Practice	Year 2, 3	60 credits
MPCD7900	Paediatric Cardiology Mini-dissertation	Year 1, 2 and 3	60 credits

Rule MGH19.9.4 Assessment

- (i) A subminimum of 50% must be obtained for the theory, and the practical component of the assessment must be passed before the student passes.
- (ii) Summative assessment is done by the examination body appointed by the HPCSA and students have to complete an exit examination consisting of:
 - (a) A written component.
 - (b) An oral/OSCA/clinical examination.
- (iii) Each of the two components contributes 50% to the overall mark. The pass mark for the overall examination is 50%. A subminimum pass mark of 50% is expected for each of the two (written and the oral/OSCA/clinical) components of the examination.

MASTER OF PHILOSOPHY IN PAEDIATRIC ONCOLOGY **300 Credits**

MPhil (Paediatric Oncology) **Study code BC870019**

Rule MGH19.10 RULES FOR THE MASTER OF PHILOSOPHY IN PAEDIATRIC ONCOLOGY

Rule MGH19.10.1 Admission requirements

Registered with the HPCSA as a Specialist in Paediatrics or Oncology

Rule MGH19.10.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.10.3 Curriculum

The principles and practice of Paediatric Oncology are dealt with.

MPOA7900	Advanced Paediatric Oncology 1	Year 1	120 credits
MPOB7900	Advanced Paediatric Oncology 2	Year 2	120 credits
MPOD7900	Paediatric Oncology Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.10.4 Assessment

- (i) A subminimum of 50% must be obtained for the theory, and the practical component of the assessment must be passed before the student passes.
- (ii) The examination has two components:
 - (a) A written component.
 - (b) An OSCA component.

Each of the two components contributes 50% to the overall mark.

The pass mark for the overall examination is 50%.

A subminimum pass mark of 50% is expected for each of the two (written and the oral/OSCA/clinical) components of the examination.

There is no subminimum for individual papers, questions, or sub-sections of the OSCA/oral/clinical examination.

Rule MGH19.10.5 EXAMINATION

Qualification examinations will comprise of two three-hour written papers.

- Paper I will consist of four long questions or scenarios (may contain sub-parts) worth 25 marks each.
- Paper II will consist of 10 short questions worth 10 marks.
- The language of written papers will follow College recommendations.

Rule MGH19.10.6 CLINICAL/ORAL/OSCA EXAMINATIONS

- This examination will last NO LONGER THAN three (3) hours.
- The student must be given a 15-minute break with refreshments.
- This examination will consist of four clinical scenarios – the results of relevant special investigations will be provided for discussion.

The language of the oral/OSCA/clinical examinations will follow College recommendations.

Rule MGH19.10.7 TIMING OF ORAL/OSCA/CLINICAL EXAMINATIONS

The examination will be held in the same week as the FCPaed(SA) Part II clinical examination. Exceptions should be made by written motivation to the College.

Summative assessment is done by the examination body appointed by the HPCSA, and students have to complete an exit examination consisting of:

- (a) A written component.
- (b) An oral/OSCA/OSPE/clinical component.

Each of the two components contributes 50% to the overall mark. The pass mark for the overall examination is 50%. A subminimum pass mark of 50% is expected for each of the two (written and the oral/OSCA/OSPE/clinical) components of the examination.

MASTER OF PHILOSOPHY IN GASTROENTEROLOGY SURGERY 300 Credits

MPhil (Gastroenterology Surgery) *Study code BC871100*

Rule MGH19.11 RULES FOR THE MASTER OF PHILOSOPHY IN GASTROENTEROLOGY SURGERY

Rule MGH19.11.1 Admission requirements

Registered with the HPCSA as a Specialist in Surgery

Rule MGH19.11.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.11.3 Curriculum

MGSA7900	Advanced Gastroenterology Surgery 1	Year 1	120 credits
MGSB7900	Advanced Gastroenterology Surgery 2	Year 2	120 credits
MGSD7900	Gastroenterology Surgery Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.11.4 Assessment

- (i) The assessment will comprise a formative assessment and mini-dissertation, as well as the exit examination comprises a written paper, clinical cases, and an oral assessment.
- (ii) A subminimum of 50% must be obtained for the formative assessment, mini-dissertation as well as the exit examination.
- (iii) A student passes with distinction if a final assessment mark based on a weighted average of at least 75% is obtained.

MASTER OF PHILOSOPHY IN TRAUMA SURGERY 300 Credits

MPhil (Trauma Surgery) *Study code BC870021*

Rule MGH19.12 RULES FOR THE MASTER OF PHILOSOPHY IN TRAUMA SURGERY

Rule MGH19.12.1 Admission requirements

Registered with the HPCSA as a Specialist in Surgery

Rule MGH19.12.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.12.3 Curriculum

The principles and practice of Trauma Surgery

MTSA7900	Advanced Trauma Surgery 1	Year 1	120 credits
MTSB7900	Advanced Trauma Surgery 2	Year 2	120 credits
MTSD7900	Trauma Surgery Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.12.4 Assessment

- (i) The assessment will comprise a formative assessment and mini-dissertation as well as the exit examination. The exit examination comprises a multiple-choice questionnaire and an oral assessment.
- (ii) A subminimum of 50% must be obtained for the formative assessment, mini-dissertation as well as the exit examination.

MASTER OF PHILOSOPHY IN VASCULAR SURGERY

300 Credits

MPhil (Vascular Surgery)

Study code BC870020

Rule MGH19.13 RULES FOR THE MASTER OF PHILOSOPHY IN VASCULAR SURGERY

Rule MGH19.13.1 Admission requirements

Registered with the HPCSA as a Specialist in Surgery

Rule MGH19.13.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.13.3 Curriculum

The principles and practice of Vascular Surgery are dealt with.

MVSA7900	Advanced Vascular Surgery 1	Year 1	120 credits
MVSB7900	Advanced Vascular Surgery 2	Year 2	120 credits
MVSD7900	Vascular Surgery Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.13.4 Assessment

- (i) The assessment will comprise a formative assessment and mini-dissertation as well as the exit examination. The exit examination comprises a multiple-choice questionnaire and oral assessment.
- (ii) A subminimum of 50% must be obtained for the formative assessment, mini-dissertation, as well as the exit examination.

MASTER OF PHILOSOPHY IN CRITICAL CARE

300 Credits

MPhil (Critical Care)

Study code BC870012

Rule MGH19.14 RULES FOR THE MASTER OF PHILOSOPHY IN CRITICAL CARE

Rule MGH19.14.1 Admission requirements

Registered with the HPCSA as a Specialist in Anesthesiology, Internal Medicine, Neurosurgery, Emergency Medicine, Obstetrics and Gynaecology, Cardiothoracic Surgery, General Surgery, Paediatrics with the HPCSA.

Rule MGH19.14.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.14.3 Curriculum

The principles and practices of Critical Care are dealt with.

MCCA7900	Advanced Critical Care 1	Year 1	120 credits
MCCB7900	Advanced Critical Care 2	Year 2	120 credits
MCCD7900	Critical Care Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.14.4 Assessment

- (i) A subminimum of 50% must be obtained for the theory, and the practical component of the assessment must be passed before the student passes.

- (ii) Assessment will be conducted by the relevant College of the CMSA.

Summative Assessment is done by the examination body appointed by the HPCSA, and students have to complete an exit examination consisting of:

Exit examination: 1 written paper, a paper OSCA and an oral.

The examinations will include all pertinent aspects of applied anatomy, physiology, haemodynamics, pathology, ultrasonography, and non-invasive diagnosis, critical care radiology, and any aspects of Critical Care Medicine that might be encountered in the day-to-day practice of Critical Care. A curriculum is appended for guidance of both students and assessors.

The CMSA will conduct these examinations, with the individual examiners being appointed on the recommendation of the Critical Care Society of Southern Africa.

Upon successful completion of all aspects of the aforementioned, the students will be required to apply to the HPCSA specialist committee for registration of their subspecialty.

Completion of the aforementioned will normally result in the application being supported by the Critical Care Society of Southern Africa.

MASTER OF PHILOSOPHY IN NEONATOLOGY

300 Credits

MPhil (Neonatology) Study code BC870022

Rule MGH19.15 RULES FOR THE MASTER OF PHILOSOPHY IN NEONATOLOGY

Rule MGH19.15.1 Admission requirements

Registered with the HPCSA as a Specialist Paediatrician.

Rule MGH19.15.2 Duration of programme

Two years full time in a training post and registered with the HPCSA and the UFS.

Rule MGH19.15.3 Curriculum

The principles and practices of Advanced Neonatology are dealt with.

MPNA7900	Advanced Paediatric Neonatology 1	Year 1	120 credits
MPNB7900	Advanced Paediatric Neonatology 2	Year 2	120 credits
MPND7900	Paediatric Neonatology Mini-dissertation	Year 1 and 2	60 credits

Rule MGH19.15.4 Assessment

- Students may enrol for the exit examination in either the first or second semester.
- The assessment will comprise a theoretical, an oral/OSCA/OSPE/clinical and research component.
- For a student to pass a subminimum of 50% must be obtained for each of the components i.e., the theoretical component, oral/OSCA/OSPE/clinical component and research component (mini-dissertation).

MASTER OF PHILOSOPHY IN INFECTIOUS DISEASES

300 Credits

MPhil (Infectious Diseases) Study code BC877900

Rule. MGH19.16 RULES FOR THE MASTER OF PHILOSOPHY IN INFECTIOUS DISEASES

Rule. MGH19.16.1 Admission requirements

MMed (Internal Medicine) or FCP (S.A.) (Fellow of the College of Physicians of South Africa)

Rule. MGH19.16.2 Duration of programme

Two years full-time in a hospital post and registered with the HPCSA and the University of the Free State.

Rule. MGH19.16.3 Clinical experience

Before the MPhil (Infectious Diseases) can be conferred on a student, he/she must convince the University that he/she:

- Held a position in an appropriate training post at the Faculty of Health Sciences at the University of the Free State.
- Received appropriate theoretical, practical and clinical instruction as recorded in the specified logbook of the College of Physicians (ID).
- Gained appropriate experience in research, the results of which have to be prepared for publication/dissertation.
- Had been registered as a student with the University for the prescribed period.
- Successfully passed the assessment as prescribed by the College of Physicians (ID).

Rule. MGH19.16.4 Curriculum

The principles and practices of Clinical Infectious Diseases are dealt with.

MIDA7900	Advanced Infectious Diseases 1	Year 1	120 credits
MIDB7900	Advanced Infectious Diseases 2	Year 2	120 credits
MIDD7900	Infectious Diseases Mini-dissertation	Year 1 and 2	60 credits

Reg. MGH14.5 Assessment

- A subminimum of 50% must be obtained for the theory, and the practical component of the assessment must be passed before the student passes.
- A student passes with distinction if a final assessment mark based on a weighted average of at least 75% is obtained

SCHOOL OF NURSING

MASTER OF NURSING

MNur Dissertation 180 Credits/Study code BC882000

INTRODUCTION

The MNur can be obtained by a dissertation.

Rule VGH1.1 Admission requirements

General Rules A70, A71 and A72

- (i) Prospective students must consult the Programme Director before submission of an official application form before 30 September of every year to be admitted.
- (ii) Students are subject to selection.
- (iii) (iii) To be admitted to a Master's degree, a person must have already obtained a Bachelor Honours degree, a 480-credit professional Bachelor's degree or a relevant postgraduate diploma. It is the responsibility of the international students to provide SAQA proof of the NQF level equivalence of their qualifications as registered with SAQA.
- (iv) A weighted average of at least 60% (not rounded to the next integer) in the previous NQF Exit Level 8 qualification is required.
- (v) Prospective students must have passed the Research Methodology in Nursing for the first time or another research module as deemed appropriate by the Head of the School with 60% not longer than five (5) years ago.
- (vi) Students must furnish proof of registration with the South African Nursing Council (SANC). International students must be registered with a recognised body in their country of origin.
- (vii) The number of master students selected is subject to the availability and/or capacity of supervisors.
- (viii) Students might be required to write additional admission tests.

Rule VGH1.2 Recognition of prior learning

Recognition of prior learning must be done through the official channels of the UFS .

Prior learning is recognised by means of

- portfolio/logbook presentations;
- tests; and/or
- examinations; or
- other relevant methods as determined by the Head of the School.

Rule VGH1.3 Duration of programme

The programme extends over at least two academic years.

Rule VGH1.4 Learning programme (curriculum)

The MNurs can be obtained on the basis of:

- (i) A dissertation on an approved subject that has been endorsed by the Faculty Board.

TABLE 1: Learning programme for Master of Nursing (Dissertation) (180 credits)

MODULES	Module	Credits
Dissertation in Nursing	NVRT8900	180

DOCTOR OF PHILOSOPHY IN NURSING **360 Credits**

PhD

Study code BC892100

Rule VGH2 RULES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN NURSING

- (i) The UFS General Rules in respect of doctor's degrees apply *mutatis mutandis* to this qualification.
- (ii) For admission to registration for the degree PhD(Nursing), a student must comply with the stipulations of the UFS General Rules and be in possession of the appropriate Master's degree from the department concerned or any other qualification deemed adequate by the Senate.
- (iii) Prospective students must have obtained a minimum of 65% in the appropriate Master's degree (NQF Level 9 qualification).
- (iv) It is the responsibility of international students to provide SAQA proof of the NQF level equivalence of their foreign qualifications as registered with SAQA.
- (v) Students will be selected for this programme.
- (vi) Discipline abbreviation and module code: NVRT9100.
- (vii) The number of doctoral students selected is subject to the expertise and/or capacity of supervisors.

GENERAL

POSTGRADUATE DIPLOMA IN HEALTH PROFESSIONS EDUCATION **120 Credits**

PGDip (Health Professions Education)

Study code: BC850200

Rule GBO1 RULES FOR THE POSTGRADUATE DIPLOMA IN HEALTH PROFESSIONS EDUCATION

Students must comply with both the stipulations of the UFS General Rules for Postgraduate Degrees and Diplomas of the UFS and the rules of the Faculty of Health Sciences.

Rule GBO1.1 Admission requirements

To be allowed to register for the PGDip (Health Professions Education), a student must be in possession of:

- (a) An appropriate Bachelor's Degree or an appropriate Advanced Diploma in a health sciences profession; or
- (b) An applicable three-year qualification plus a one-year qualification in a health sciences profession; or
- (c) A relevant four-year qualification.
- (d) The qualifications obtained must be on NQF level 7.
- (e) A selection committee of the Faculty of Health Sciences will select students for the programme.

A student must

- (i) work as a health professional, health sciences educator, researcher, or administrator; OR
- (ii) have at least one year experience in health sciences education and training; OR
- (iii) register as a full-time student in the Health Professions programme; OR
- (iv) admission must be recommended by the Head of the applicable school in the Faculty of Health Sciences of the UFS or the Head of the Division Health Sciences Education.

Applicable prior learning and experience will be recognised when admission is sought. Credits gained in prior learning programmes may be recognised, depending on the contents of such programmes. This will be done according to the Recognition of Prior Learning Policy of the UFS. The decision of the head of the Division Health Sciences Education and/or Dean of the FHS is final.

Students are reminded about the UFS General Rules and Rules of the FHS related to the maximum duration within the programme.

Applications for selection must be received before the end of August in the year prior to studies to be undertaken.

Rule GBO1.2 Duration of diploma programme

The programme extends over one or two years (**120 credits**) depending on the modules presented in a particular year.

Rule GBO1.3 Curriculum

Coursework (**120 credits**)

Curriculum: Year one and two:

- **Three modules on compulsory themes:**

HPEI5805	Orientation to Health Professions Education and Training
HPEA5805	Orientation to Health Professions Education and Training: Teaching, learning and assessment in the preclinical, clinical and internship years
HPER5805	Introduction to basic research in Health Professions

Three modules on optional (elective) themes:

HPEE5805	Introduction to concepts of learning in Health Sciences
HPEC5805	Orientation to Community Service Learning, Inter-disciplinary Education and Primary Health Care
HPEP5805	Basic principles of programme development, design and assessment for Health Professions Education and Training
HPES5805	Orientation to the development of professional skills in the Health Professions
HPEM5805	Basic principles of management in Health Professions Education and Health Care Institutions
HPEQ5805	Introduction to quality assurance in Health Professions Education

Rule GBO1.4 General

The coursework commences at scheduled times as determined by the head of the programme. A module comprises of scheduled contact time, followed by directed self-study.

Rule GBO1.5 Assessment

1. Competency will be proved by demonstration of stated outcomes to comply with standards set by the University and the Faculty. Efficiency and effectiveness in the achievement of stated outcomes and general performance as health sciences educator, teacher and researcher will be assessed. Students will be required to offer proof of competency through various means, including portfolios/logbooks, discussions, assignments, practical demonstrations and reflective papers (e.g., manuscripts for publication) which describe and comment on health professions education. Skills will be assessed in real settings.
2. Assessments in the programme will be based on an integrated and continuous assessment approach.
3. Assessments in modules will be through negotiated or contracted work related to the students' own positions/roles in health sciences education. This may include components of peer assessment.
4. A module credit system applies, and where applicable, the end assessment will comprise a written and/or oral assessment.

Rule GBO1.6 Promotion and distinctions

In cases of students, who have obtained an average module mark of 65% or more, this mark will be used as a final mark. Such students, however, will be allowed to take the final assessment should they wish to do so with the aim of improving their marks/obtaining a distinction. All students with a mark below 65% have to write a final assessment.

The Postgraduate Diploma is awarded distinction if the student obtained a weighted average of at least 75 percent, based on the minimum number of modules prescribed for the qualification in question.

MASTER OF HEALTH PROFESSIONS EDUCATION 240 Credits

MHProfEdu Coursework and mini-dissertation: **Study code: BC870200**

Dissertation: Study code: BC883700

Rule GBO2 RULES FOR THE DEGREE MASTER OF HEALTH PROFESSIONS EDUCATION

Students must comply with both the stipulations of the UFS General Rules for Master's degrees and the rules of the Faculty of Health Sciences.

Rule GBO2.1 Admission requirements

To be allowed to register for the degree Master of Health Professions Education, a student must be in possession of:

- (a) An appropriate Bachelor's Degree or an appropriate Advanced Diploma in a health sciences profession; or
- (b) A three-year qualification plus one-year postgraduate education; or
- (c) A relevant four-year qualification.
- (d) The qualifications obtained must be on NQF level 8.
- (e) A selection committee of the Faculty of Health Sciences will select students for the programme.

A student must

- (i) work as a health professional, health sciences educator, researcher, or administrator, OR
- (ii) have at least one year experience in health sciences education and training, OR
- (iii) must register as a full-time student in the Health Professions programme, OR
- (iv) admission must be recommended by the Head of the applicable School in the Faculty of Health Sciences of the UFS or the Head of the Division Health Sciences Education.

Applicable prior learning and experience will be recognised when admission is sought. Credits gained in prior learning programmes may be recognised, depending on the contents of such programmes. This will be done according to the Recognition of Prior Learning Policy of the UFS. The decision of the Head of the Division Health Sciences Education and Dean of the FHS is final.

Students are reminded about the UFS General Rules and Rules of the FHS related to the maximum duration within the programme.

Applications for selection must be received before the end of August in the year prior to studies to be undertaken.

Rule GBO2.2 Duration of degree programme

The programme extends over one or two years (**240 credits**) depending on the modules presented in a particular year.

Rule GBO2.3 Curriculum

Two options:

- (a) **Option A:** Study code: **BC870200** Coursework (**120 credits**) plus a mini-dissertation (HPES7900)

Three modules on compulsory themes:

HPEI7905	Introduction to Health Professions Education and Training
HPEA7905	Health Professions Education and Training: Teaching, learning and assessment in the pre-clinical, clinical and internship years
HPER7905	Introduction to research in health professions

Three modules on optional (elective) themes:

HPEE7905	Concepts of learning in health sciences
HPEC7905	Community Service Learning, Inter-disciplinary Education and Primary Health Care
HPEP7905	Programme development, design and assessment for health professions education and training
HPES7905	The development of professional skills in the health professions
HPEM7905	Management in health professions education and health care institutions
HPEQ7905	Quality assurance in health professions education
HPES7900	Mini-dissertation (120 credits) Study code: BC870200

Students in the structured Master's Degree must register for HPES7900 (Mini-dissertations) only in their second year of study

- (b) **Option B:** Study code: **BC883700** Dissertation (HPED8900) (**240 credits**)

Rule GBO2.4 General: Option A

The coursework commences at scheduled times as determined by the Head of the programme. A module comprises of scheduled contact time, followed by directed self-study.

Rule GBO2.5 Assessment

1. Competency will be proved by demonstration of stated outcomes to comply with standards set by the university and the Faculty. Efficiency and effectiveness in the achievement of stated outcomes and general performance as health sciences educator, teacher and researcher will be assessed. Students will be required to offer proof of competency through various means, including portfolios/logbooks, discussions, assignments, practical demonstrations and reflective papers (e.g., manuscripts for publication) which describe and comment on health professions education. Skills will be assessed in real settings. The mini-dissertation will be assessed in accordance with the UFS General Rules.
2. Assessments in the programme will be based on an integrated and continuous assessment approach.
3. Assessments in modules will be through negotiated or contracted work related to the student's own position/role in health sciences education. This may include components of peer assessment.
4. A module credit system applies, and where applicable, the end assessment will comprise a written and/or oral assessment and a mini-dissertation from the structured programme.

Rule GBO2.6 Promotion and distinctions

In cases of students, who have obtained an average module mark of 65% or more, this mark will be used as a final mark. Such students, however, will be allowed to take the final assessment should they wish to do so with the aim of improving their marks/obtaining a distinction. All students with a mark below 65% have to write a final assessment.

The Master's Degree is awarded with distinction if the student obtained a weighted average of at least 75 percent, based on the minimum number of modules prescribed for the qualification in question.

Rule GBO2.7 Exit point

Students may not exit the programme with a Postgraduate Diploma in Health Professions Education (Study code 8202 or BC850200) as from 1 January 2009 according to the Higher Education Qualifications Framework (2007).

DOCTOR OF PHILOSOPHY IN HEALTH PROFESSIONS EDUCATION 360 Credits

PhD (Health Professions Education)

Study code: BC895100

Rule GBO3 RULES FOR THE DEGREE DOCTOR OF PHILOSOPHY IN HEALTH PROFESSIONS EDUCATION

Rule GBO3.1 Admission requirements

The UFS General Rules for Doctoral Degrees apply *mutatis mutandis*.

To be admitted to the programme, students must be in possession of:

- A Master's Degree in Health Professions Education; OR
- A Master's Degree in a health sciences profession, or an equivalent qualification/level on the National Qualifications Framework (NQF Level 9), plus an educational qualification; OR
- A Master's Degree in any health sciences discipline plus an educational qualification, or a similar Master's qualification and an educational qualification; OR
- A Master's and/or doctoral degree and/or equivalent qualification in a scientific field which is applicable to the PhD discipline.
- A selection committee of the Faculty of Health Sciences will select students for the programme.

A student must work as a health professional, be in a post as health sciences educator/ researcher; work in a health care or health sciences education institution, or as a health care/health education official, or have at least one year's experience in health sciences education and training. Prior learning and experience will be assessed according to the Recognition of Prior Learning Policy of the UFS if (d) is applicable, with proof of 20 credits (200 notional hours) obtained in credit-bearing short modules and/or scientific contributions in the field of education. The decision of the head of the Division Health Sciences and/or Dean of the FHS is final.

A student in possession of a doctorate plus an educational qualification will be admitted directly if selected.

Students are reminded about the UFS General Rules and Rules of the Faculty of Health Sciences related to the maximum duration within the programme.

Applications for selection must be received before the end of August in the year prior to studies to be undertaken.

Rule GBO3.2 Thesis - HPET9100

- A Faculty Committee will assess the proposed project. The title of the thesis will be submitted to the Faculty Board only on the recommendation of the Committee.
- The HSREC of the Faculty of Health Sciences must approve the study.
- On completion of the research or at a time fixed by the promoter, the student must submit the research results in the form of a thesis.

Rule GBO3.3 Assessment

Assessment and moderation of the thesis will be done according to institutional requirements and guidelines for doctoral theses. The thesis will have to satisfy national and international norms of the highest level, as assessed by authorities in the field of Health Professions Education, training and research and/or related fields.

SUMMARY OF OLD AND NEW MODULE CODES

Module and programme codes are subject to change

SCHOOL OF HEALTH AND REHABILITATION SCIENCES

OLD MODULE	NEW MODULE
ABT700	MOTR900
ABT901	PDOT9100
ATN701	MOTS7905
DET700	MDTD8900
DET704	MRES7905
DET709	MART7909
DET791	MDEM7900
DET901	PDET9100
FST701	ANMP7908
FST703	MPPT7908
FST704	PTMS7900
FST705	PTMM7905
FST706	PTIS7904
FST707	PTST7904
FST708	PTSP7904
FST709	PTSH7904
FST710	PTKN7904
FST711	PTAF7904
FST712	PTCT7908
FST713	PTRS7900
FST792	PTMD8900
FST901	PTDP9100
GVD728	MCOM7938
GVD748	MCOM7948
KVD728	MTNU7938
KVD748	MTNU7948
MBG792	BIOA8900
MBW700	BIOD8900
OPM701	OPMS7903
OPM702	BPVS7903
OPM703	OPMS7902
OPM704	OPLV7903
OPM705	OPCL7903

OPM706	OPNO7902
OPM707	OPMR7902
OPM708	OPME7902
OPM791	OPMS7900
OPT700	OPMS8900
SVD728	MSPT7938
SVD748	MSPT7948
VDG700	MNUD8900
VDG704	MRES7905
VDG709	MART7909
VDG728	MNUT7938
VDG748	MNUT7948
VDG791	MNUM7900
VDG901	PNUT9100

APS501	MAPS5810
ASM703	MASM7903
AVG501	MAVA5800
AVG502	MAVB5800
BCS705	BMMS7905
BF1700	MPMN7900
BFK614	MPRS6814
BFK624	MPRS6824
BFK634	MPRS6834
BFK644	MPRS6844
BFK664	MPRS6664
BFK684	MPRS6884
BFK700	MPRS8900
BFK709	MPRS8900
BFK714	MPRS7914
BFK724	MPRS7924
BFK734	MPRS7934
BFK744	MPRS7944
BFK754	MPRS7954
BFK764	MPRS7964
BFK784	MPRS7984
BFK791	MPRS7900
BFK900	MPMD9100
BFK901	MPRD9100
BFM701	BMFA7904
BFM702	BMFB7904
BST709	MBST8900
BST900	MMTS9100
BST901	MBST9100
BWI700	MBWI7900
CEP700	MCEB7900
CEP701	MCEM7900
CEP709	MCEP8900
CEP890	MCEB7900
CEP900	MMEP9100
CEP901	MCEP9100
CFM891	MCFA7902
CFM892	MCFB7902
CFM893	MCFC7902
CFM894	MCFD7906
CHP601	MCHD6800
CHP700	MCHP7900
CHR800	MCHI7900
CHR890	MCHR7900
CHR900	MMHR9100
CHR901	MCHR9100
CHS501	MCHS5800
CHS502	MCHP5800

SCHOOL OF CLINICAL MEDICINE

OLD MODULE	NEW MODULE
ACH501	MACA5810
ACH502	MACB5820
AEI501	MAEA5800
AEI502	MAEB5800
AGI501	MGMA5800
AGI502	MGMB5800
ANA601	ANHG6808
ANA602	ANHC6808
ANA603	ANHS6808
ANA604	ANHP6808
ANA709	ANMD8900
ANA900	ANPD9100
ANA901	ANPH9100
ANI501	MANA5800
ANI502	MANB5800
ANM700	ANMG7900
ANP601	MANP6800
ANP701	MANP7900
ANP709	MANP8900
ANP800	MANF7900
ANP890	MANM7900
ANP900	MMNP9100
ANP901	MANP9100
ANR700	ANMR7900
ANS890	MANS7900
ANS900	MMNS9100
ANS901	MANS9100
APB700	MAPB7900
API501	MAPA5800
API502	MAPB5800

CLL705	MCLL7900	GEG893	MFHC7908
CNH891	MCHA7902	GFD510	MPDR5800
CNH892	MCHB7902	GFD520	MPDH5800
CNH893	MCHC7902	GFD530	MPDI5800
CNH894	MCHD7906	GFD540	MPDM5800
CPS704	MCPS7902	GFN700	MPMA7900
CSM703	MCSM7903	GFO700	MPMO7900
CSP703	MCSP7900	GFR700	MPMT7900
DBG501	MDBA5800	GGK601	MGGD5801
DBG502	MDBB5800	GGK602	MGGH5802
DBG503	MDBC5800	GGK603	MGGA5803
DBG504	MDBD5800	GGK605	MGGF5805
DBG505	MDBE5800	GGK606	MGGG5806
DBG506	MDBF5800	GGK607	MGGE5807
DER890	MDER7900	GGK608	MGGB5808
DER900	MMDE9100	GGK609	MGGC5809
DER901	MDER9100	GGN890	MGGN7900
DIR890	MDIR7900	GGN900	MMGN9100
DIR900	MMIR9100	GGN901	MGGN9100
DIR901	MDIR9100	GII502	MGII5820
DIS891	MDIA7902	GPV703	MGPV7900
DIS892	MDIB7902	HAK901	MHAK9100
DIS893	MDIC7902	HEM601	MHEM6810 (1 st Sem)
DIS894	MDID7906		MHEM6820 (2 nd Sem)
EME891	MEMA7902	HEM602	MHEH6810 (1 st Sem)
EME892	MEMB7902		MHEH6820 (2 nd Sem)
EME893	MEMC7902	HEM603	MHEI6810 (1 st Sem)
EME894	MEMD7906		MHEI6820 (2 nd Sem)
EXM703	MEXM7902	HEM604	MHEB6810 (1 st Sem)
EXP705	MEXP7905		MHEB6820 (2 nd Sem)
FFG601	PHHG6808	HEM700	MHEM7900
FFG602	PHHC6808	HEM701	MHEA7900
FFG603	PHHS6808	HEM709	MHEM8900
FFG691	PHHP6808	HEM890	MHEB7900
FFG709	PHMD8900	HEM900	MMEM9100
FFG900	PHPD9100	HEM901	MHEM9100
FFG901	PHPH9100	HSM501	MHSA5800
FFM700	PHMM7900	HSM502	MHSB5800
FRM601	MFRM6800	HSM503	MHSC5800
FRM700	MFRM7900	HSM504	MHSD5800
FRM709	MFRM8900	HSM505	MHSE5800
FRM900	MMRM9100	HSM506	MHSF5800
FRM901	MFRM9100	HSM507	MHSG5800
FSK601	PHYS6814/24	HSM508	MHSH5800
FSK606	PHYI6874/84	IMN601	MIMI6800
FSK611	PHYE6834/44	IMN602	MIMH6800
GEG891	MFHA7901	IMN603	MIMC6800
GEG892	MFHB7901	IMN604	MIMP6800

IMN709	MIMN8900	MKM604	MMKM6804
ING890	MING7900	MKM605	MMKV6804
ING900	MMNG9100	MKM700	MMKM7900
ING901	MING9100	MKM606	MMKC6804
INP800	MINP7900	MKM701	MKMA7900
IUD501	MIUA5810	MKM709	MMKM8900
IUD502	MIUB5820	MKM890	MKMB7900
KAR900	MTTC9100	MKM900	MMMK9100
KAR901	MKAR9100	MKM901	MMKM9100
KG900	MMKN9100	MNG601	MHGC6800
KG901	MKGN9100	MNG602	MHGM6800
KGW900	MMGW9100	MNG603	MHGR6800
KGW901	MKGW9100	MNG709	MMNG8900
KHA700	MKHA7900	MNG800	MMGA7900
KHA800	MKHB7900	MNG890	MMGB7900
KHA890	MKHC7900	NAM701	NAMA7903
KHA900	MMHA9100	NAM702	NAMB7900
KHA901	MHAK9100	NAN700	ANMN7900
KKR890	MKKR7900	NAV705	MNAV7905
KLP700	MKLP7900	NER890	MNER7900
KRS700	MKRS7900	NER900	MMER9100
KRS709	MKRS8900	NER901	MNER9100
KRS791	MKSS7900	NEU890	MNEU7900
KRS900	MMRS9100	NEU900	MMEU9100
KRS901	MKRS9100	NEU901	MNEU9100
KTC709	MKTC8900	OBG800	MOBS7900
KTC890	MKTC7900	OBG801	MOBU7900
KTC900	MKTC9100	OBG890	MOBG7900
KTC901	MTTC9100	OBG900	MMOG9100
MAH891	MMHA7902	OBG901	MOBG9100
MAH892	MMHB7902	OFT890	MOFT7900
MAH893	MMHC7902	OFT900	MMFT9100
MAH894	MMHD7906	OFT901	MOFT9100
MAT700	ANMM7900	OKT709	MOKT8900
MBG601	MBGT6804	OKT890	MOKT7900
MBG602	MBGP6826	OKT900	MMKT9100
MBG603	MBGR6818	OKT901	MOKT9100
MBG604	MBGM6814	ORT890	MORT7900
MBG605	MBGI6814	ORT900	MMRT9100
MBG606	MBGH6814	ORT901	MORT9100
MBG607	MBGC6814	OSG705	MOSG7907
MBG608	MBGS6824	OTO890	MOTO7900
MBG709	MMBG8900	OTO900	MMTO9100
MBG900	MMMB9100	OTO901	MOTO9100
MBG901	MMBG9100	PAL891	MPAA7902
MKM601	MMKT6804	PAL892	MPAB7902
MKM602	MMKP6804	PAL893	MPAC7902
MKM603	MMKR6800	PAL894	MPAD7906

PAO700	MPAO7900
PAT800	PATR7900
PAT801	MPAT7900
PCH890	MPCH7900
PCR502	MPCR8520
PED800	MPEA7900
PED890	MPEB7900
PED900	MMED9100
PED901	MPED9100
PHC891	MPHA7902
PHC892	MPHB7902
PHC893	MPHC7902
PHC894	MPHD7906
PLH890	MPLH7900
PRV801	MPMA7902
PRV802	MPMB7902
PSG890	MPSG7900
PSG900	MMSG9100
PSG901	MPSG9100
PUP890	MPUP7900
PUP900	MMUP9100
PUP901	MPUP9100
RAF700	MPMR7900
RAR501	MRAR5810
RBO709	MRBO8900
RBO800	MRBO7900
RBO900	MMBO9100
RBO901	MRBO9100
RES890	MRES7900
RFM800	MRFM7900
RPJ791	MRPJ7900
RTR502	MRTR8520
SAC891	MSAA7902
SAC892	MSAB7902
SAC893	MSAC7902
SAC894	MSAD7906
SIL709	MPGC7900 (Medical Genetics)
SIL709	MSIL7900 (MMed Psychiatry)
SKR891	MRPA7904
SKR892	MRPB7904
SKR893	MRPC7904
SKR894	MRPD7900
TMA504	MTMA5804
TMC509	MTMC5809
TMD504	MTMD5804
TMO504	MTMO5804
TMO700	MTMO8900
TMP504	MTMP5804

TMT505	MTMT5805
UID501	MUID5810
URL890	MURL7900
URL900	MMRL9100
URL901	MURL9100
VIR701	MVIA7900
VIR709	MVIR8900
VIR890	MVIB7900
VIR900	MMVI9100
VIR901	MVIR9100
VKG700	MCMA7902
VKG701	MVKG7900
VKG702	MVKA7900
VKG703	MVKT7900
VKG704	MVKC7900
VKG705	MVKS7900
VKG900	MMKG9100
VKG901	MVKG9100
WTW614	MATN6814

GENERAL

OLD MODULE	NEW MODULE
HPE601	HPEI5805
HPE602	HPEA5805
HPE603	HPER5805
HPE604	HPEE5805
HPE605	HPEC5805
HPE606	HPEP5805
HPE607	HPES5805
HPE608	HPEM5805
HPE609	HPEQ5805
HPE794	HPES7900
HPE793	HPED8900
HPE701	HPEI7905
HPE702	HPEA7905
HPE703	HPER7905
HPE704	HPEE7905
HPE705	HPEC7905
HPE706	HPEP7905
HPE707	HPES7905
HPE708	HPEM7905
HPE709	HPEQ7905
HPE900	HPET9100

SCHOOL OF NURSING

OLD MODULE	NEW MODULE
EOP105	NEOP1705
FAV113	NFAV1713
FOV116	NFOV1716
FOV126	NFOV1726
GBP105	NGBP1705
GMP105	NGMP1705
GMV116	NGMV1716
GMV126	NGMV1726
GRV123	NGRV1723
GSB113	NGSB1713
GSB126	NGSB1726
GSB136	NGSB1736
GVP105	NGVP1705
GVV116	NGVV1716
IVV112	NIVV1712
KDP105	NKDP1705
KDV116	NKDV1716
KDV126	NKDV1726
KPP105	NKPP1705
KPV116	NKPV1716
KPV126	NKPV1726
KSP105	NKSP1705
KSV116	NKSV1716
KSV126	NKSV1726
NGP105	NNGP1705
NGV116	NNGV1716

NGV126	NNGV1726
OSV114	NOSV1714
OTV105	NOTV1705
OTV116	NOTV1716
OTV126	NOTV1726
OVP105	NOVP1705
PKG116	NPKG1716
PKG126	NPKG1726
PKP105	NPKP1705
PPV122	NPPV1722
PSV116	NPSV1716
PSV126	NPSV1726
PVP105	NPVP1705
RES792	NRES7908
REV114	NREV1714
SOS164	SOCI4724
TNP105	NTNP1705
TNV116	NTNV1716
TNV126	NTNV1726
VIP102	NVIP1702
VIV118	NVIV1718
VIV128	NVIV1728
VNV126	NVNV1726
VOV116	NVOV1716
VOV126	NVOV1726
VRT700	NVRT8900
VRT702	NVRT7905
VRT900	NVRT9100