

THE UNIVERSITY OF THE FREE STATE

FACULTY OF HEALTH SCIENCES

YEARBOOK

**SCHOOL OF MEDICINE
FIRST DEGREES AND DIPLOMAS**

2012



**DEAN: PROF GJ VAN ZYL
FACULTY OF HEALTH SCIENCES
ROOM D202
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Please retain this yearbook for the remainder of your study period, as this will apply to you until you have completed your studies.

CONTACT PERSONS

If you have queries regarding any of the undergraduate programmes in the School of Medicine, you may contact one of the following persons:

ENQUIRIES REGARDING:

Application forms Selection forms

Liaison officer
UFS Marketing
University of the Free State
PO Box 339
Bloemfontein
9300

Tel: (051) 401 3000
Fax: (051) 447 5211
E-mail: info.stg@ufs.ac.za

ENQUIRIES REGARDING:

Admission requirements Registration General Selection

Faculty Officer
Internal Box G40
Faculty of Health Sciences
University of the Free State
PO Box 339
Bloemfontein 9300

Tel: (051) 401 3739
Fax: (051) 401 3226
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ENQUIRIES REGARDING: Curriculum

Programme Director
Internal Box G48
Faculty of Health Sciences
University of the Free State
PO Box 339
Bloemfontein 9300

Tel: (051) 401 2773
Fax: (051) 401 2939
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| <p>Please note: Please indicate your student number on all correspondence to the University</p> |
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ACADEMIC STAFF

** DENOTES HEADS OF DEPARTMENTS / PROGRAMMES*

DEAN'S OFFICE

DEAN

Prof GJ van Zyl

VICE-DEAN

Vacant

DIVISION FOR HEALTH SCIENCES EDUCATION

*Prof MM Nel, Dr J Bezuidenhout, Dr MP Moagi-Jama, Ms SB Kruger, Dr VLJ Litlhakanyane

SCHOOL OF MEDICINE

ACTING HEAD: Prof AA Stulting

DIVISION OF MEDICAL PROGRAMME MANAGEMENT

*Prof PPC Nel, Mr AP Hugo, Ms C de Waal, Mr A Macdonald

ANAESTHESIOLOGY

*Prof BJS Diedericks, Dr E Groenewald, Ms AA Jacobs, Dr WP Konig, Dr A Kuhn, Prof G Lamacraft, Dr VL Moses, Prof CL Odendaal, Dr M Pearson, Dr M Reyneke, Prof HE Scholtz, Dr EW Turton, Dr LJ van der Nest, Dr N Venter

ANATOMICAL PATHOLOGY

*Prof CA Beukes, Dr C Esterhuysen, Dr J Goedhals, Ms MN Schemel, Dr J Thiar

ANIMAL RESEARCH CENTRE

*Mr S Lamprecht, Mr MDC Kubale, Mr R van Zyl, Ms GJR Vivier, Mr MJ Moshodi

BASIC MEDICAL SCIENCES

*Dr S Van Zyl, Ms Y Benade, Mr R Botes, Dr EH Botha, Dr M Bruwer, Ms HD Coghlan, Ms JC Correia, Prof A Crous, Dr HC De Villiers, Dr AM Gerber, Dr HJ Geyer, Prof DB Lamprecht, Dr CO Larson, Dr A Mostert, Ms KS Mpolokeng, Mr M Muller, Ms A Nel, Mr SJ Notuku, Mr SJ Phenethe, Mr A Pono, Dr JH Potgieter, Mr NS Pule, Dr D Raubenheimer, Dr S Smith, Mr JL Steyl, Ms BMP Tswaile, Dr LJ van der Merwe, Mr GJ van Zyl, Dr C Vorster, Ms PC Vorster

BIostatISTICS

*Prof G Joubert, Ms M Nel, Dr JE Raubenheimer, Mr FC Van Rooyen

CARDIOLOGY

*Prof JD Marx, Dr GS Harris, Ms M Karsten, Dr MG Milela, Prof HDT Theron, Dr J Theron, Dr GJ Visage

CARDIOTHORACIC SURGERY

*Prof FE Smit, Dr CJ Jordaan, Dr MA Long, Prof WML Neethling, Mr JJ van den Heever, Prof CA Yankah, Dr CJ Jordaan

CHEMICAL PATHOLOGY

*Prof JM Kuyl (acting), Dr AJ Groenewald, Ms J Markram

COMMUNITY HEALTH

*Prof WH Kruger, Dr TM Chandran, Dr P Chikobvu, Dr B de Klerk, Ms LE Nophale

CRITICAL CARE

*Dr MGL Spruyt, Dr J Nel

DERMATOLOGY

*Prof W Sinclair, Dr BB Adamjee

DIAGNOSTIC RADIOLOGY

*Prof CS de Vries, Dr M Africa, Dr SH Botha, Dr BR Dawadi, Dr FA Gebremariam, Dr D Hurter, Dr J Janse van Rensburg, Dr E Loggenberg, Ms C Meyer, Dr M Naude, Dr SF Otto

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*Prof MJ Coetzee, Mr WE Allers, Dr RL Crookes, Dr JM de Waal, Dr MC Ferreira, Dr AD Jafta, Ms M Kelderman, Dr P Knox, Mr E Leipoldt, Ms C Maree, Ms GM Marx, Prof SM Meiring, Mr TC Motsoeneng, Dr TJ Nel, Prof H Pieters, Dr L Pretorius, Mr GA Richardson, Mr JP Roodt, Dr H Smalberger, Ms S Sreenivasan, Ms GG Thompson, Mr J Vermeulen, Prof CD Viljoen

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*Prof WF Mollentze, Dr C Barrett, Dr E Bezuidenhout, Dr JJ Botha, Dr HJR Colyn, Dr W de Lange, Dr HE du Raan, Dr WF Grant, Dr D Greyling, Prof HDK Grundling, Dr M Harmse, Dr BJ Janse van Rensburg, Dr JJ Janse van Rensburg, Prof BW Jansen van Rensburg, Dr JC Jansen van Vuuren, Dr S Joubert, Dr RH Kachovska, Dr JMM Koning, Prof VJ Louw, Ms H Louw, Dr SD Maasdorp, Dr PF McDonald, Dr WE Mentor, Dr TRP Mofokeng, Dr JM Nel, Dr CB Nel, Dr R Nhiwatiwa, Dr GM Oosthuizen, Dr WSJ Otto, Dr FD Pienaar, Dr M Prins, Dr GJ Rossouw, Dr FHS Schoeman, Dr CE Snyman, Dr D Steyn, Ms SAC van der Walt, Dr AM van Staden, Prof JH van Zyl, Dr MJ Webb

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NATIONAL CONTROL LABORATORY FOR BIOLOGICAL PRODUCTS

*Prof D Litthauer, Ms HE Du Toit, Ms C Kleyn, Ms E Marais, Mr TC Poonyane, Ms A Sekabate

NEUROLOGY

*Prof AJ Kruger, Dr E Janse van Rensbur, Dr L Smit

Division Human Genetics

*Prof M Theron, Ms BK Dajee, Dr BD Henderson, Dr NC van der Merwe

NEUROSURGERY

*Dr DJDV Hugo (acting), Dr J Basson

NUCLEAR MEDICINE

*Prof AC Otto, Dr MG Nel, Dr U Snyman

OBSTETRICS AND GYNAECOLOGY

* Prof PH Wessels, Prof HS Cronjè, Dr JPH Basson, Dr SSF Brand, Dr JBF Cilliers, Prof BF Cooreman, Dr MA du Toit, Dr S Grobler, Dr EW Henn, Ms A Kilian, Dr SS Matela, Dr MM Mohosho, Dr DM Nimako, Dr JD Nortje, Dr MS Pretorius, Prof MG Schoon, Dr L Smith, Mr CS Williams

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*Dr AC Bester (acting), Dr MC Botha, Dr S Buddu, Dr CES Coetzee, Dr R Du Plessis, Dr MP Kahl, Dr M Kruger, Dr A Sherriff, Dr MJ Strydom, Ms AB Victor, Ms AS Zerwick

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PAEDIATRICS AND CHILD HEALTH

*Prof A Venter, Dr F Babst, Prof SC Brown, Dr DG Buys, Dr JC Cronje, Dr JP du Plessis, Ms Y Goosen, Dr D Griessel, Dr UM Hallbauer, Prof BB Hoek, Dr JP Jooste, Dr AE Kappos, Dr L Keet, Dr J Kriel, Dr A Nel, Dr K Rautenbach, Dr C Rautenbach, Ms DC Russell, Dr M Saleem, Dr B Saunders, Dr LJ Solomon, Prof DK Stones, Dr A van der Byl, Dr AE van der Vyver

PHARMACOLOGY

*Prof A Walubo, Ms F Alexander, Ms Z Bekker, Mr A Coetzee, Dr JB du Plessis, Mr JL du Preez, Ms E Grobbelaar, Ms B Human, Mr LL Nkabiti, Dr CM Smith, Dr PJ van der Merwe, Ms R van Wyk, Dr PM van Zyl

PLASTIC AND RECONSTRUCTIVE SURGERY

*Prof JF Jooste, Dr N du Plessis, Dr H Nickschtat, Dr ETP van der Walt

PSYCHIATRY

*Prof PJ Pretorius, Prof FJW Calitz, Ms M du Toit, Ms K Fandie, Dr ER Howell, Dr TE Katunzi, Mr JF le Roux, Dr SS Maduna, Dr W Meintjes, Dr C Meyer, Dr HM Mngomezulu, Mr SJ Mohlahle, Dr GR Moroe, Dr NL Mosotho, Mr LWA Nel, Ms C Nel, Dr HR Nel, Prof RN Nichol, MsT Ramabele, MsA Sieberhagen, Dr LM van der Merwe, Dr W van der Nest, Ms L van Zyl, Ms M Veitch

SKILLS UNIT

*Dr L de Bruyn, Dr JF Lombaard

SPORTS AND EXERCISE MEDICINE

*Dr LJ Holtzhausen, Ms M Schoeman

SURGERY

*Prof RS du Toit, Prof R Barry, Dr AMA Bhyat, Dr RG Botha, Dr JB Fichardt, Dr SM le Grange, Dr CA Loubser, Dr E Mafana, Dr MS Maseme, Mr DP Menge, Dr NE Pearce, Ms CW Serfontein, Prof SJA Smit, Dr EJ Theron, Dr CG Troskie, Dr OC Buchel

UROLOGY

*Prof SW Wentzel, Dr FM Claassen, Dr J Myburgh, Dr HA van der Merwe

DEFINITIONS

To ensure clarity and uniform interpretation, the meanings of the terms used in the Regulations of the Faculty are defined as follows:

Additional modules

Additional modules are those modules that are taken in addition to the minimum number of modules required for a particular qualification.

Admission mark

The year, semester or module mark applicable to the admission requirement for end-assessment in the module.

Assessor

The lecturer responsible for a particular module who draws up the questions and marks the assessment scripts, or who assesses performance in oral assessments and/or practical assessments.

Assessment

This is the process whereby the competency level of students is determined. Assessment should be performed through a variety of assessment methods, over a period of time and in a variety of contexts.

Assessment mark

The mark or combined mark earned during an assessment in a paper or papers that are used in assessing a module.

Assessment paper

A form of assessment that consists of a set of questions, in oral and/or written format, on a module(s) or parts thereof, which students have to respond to during an assessment opportunity.

Assessment period

The period at the end of each semester, as indicated in the University calendar, during which assessments are conducted.

Combined mark

The calculated average of the semester mark/module mark/year mark and assessment mark, rounded off to a full percentage point.

Continuation module

The continuation module concerned serves as preparatory study for the following study year. The final mark obtained in a continuation module is transferred to the following study year. There are no pass requirements in respect of a continuation module.

Continuous assessment

Continuous assessment forms part of the overall process of assessment in a module and refers to progress-based assessment by means of a variety of assessment methods.

Curriculum

A curriculum consists of a specific selection of related modules from various disciplines, in which students must achieve the stated learning outcomes within a specified period and the said modules form part of the learning programme.

Discipline

A specialised and defined field of study.

Final assessment (summative assessment):

Final assessment is summative in nature and directed at determining whether the student has achieved the required level of competence as stated in the learning outcomes. Final assessment is aimed at integrating the various components of the particular module.

External assessment

The term external assessment refers to external examining and/or external moderation and/or external assessment of standards, and should occur at least every five years.

External assessor

A person who is not in the permanent employ of the University but who assesses assessment scripts or who assesses oral assessments and/or practical assessments. (In the case of re-assessment of assessment scripts, this person acts as an arbitrator.)

External moderator

A person who is not in the permanent employ of the university and who ensures that assessment is performed in accordance with stipulated learning outcomes and who has to establish whether the required level of competence has been achieved.

Failed module

A failed module is a module in which the student has failed.

Final mark

The combined mark when the module mark and the assessment mark are added, and then rounded off to a full percentage point.

Half-year mark

The calculated average of a student's written, oral and/or practical work during the semester in a particular module, rounded off to a full percentage point and calculated in accordance with the stipulations of the faculty concerned.

Internal moderator

A person who is in the permanent employ of the university and who ensures that assessment is performed in accordance with stipulated learning outcomes and who has to establish whether the required level of competence has been achieved.

Learning outcomes

A learning outcome refers to the contextually demonstrated end product of the learning process. An exit-level outcome refers to an outcome that must be achieved by the qualifying student at the stage when he/she exits from the learning programme and is then awarded the qualification concerned. A specific learning outcome is contextually demonstrated knowledge, skills and values that support one or more critical outcomes and represents a particularisation of the exit-level outcomes.

Learning programme

A learning programme refers to the structure for cumulative learning that a student is required to successfully complete in mastering the exit-level outcomes of a qualification. This structure consists of a related combination of modules/ learning units, expressed in an outcomes-based format, and which have an academic and/or professional/ career-related focus. Students may access the learning programme at various points or levels; moreover, students may also exit the learning programme at meaningful points or levels.

Major modules

Modules the student passed on the highest level in a particular curriculum or modules indicated as being major modules by the faculty regulation concerned.

Mini-dissertation

A scientific document produced by a student where the scope of the text is less than that of a dissertation or a thesis.

Module

A module is a coherent, self-contained learning unit, which has been designed to achieve a specific set of learning outcomes. In a modular degree structure, a module has a standard size, and assigned weighting and level in the learning programme. A module may take on a fundamental, core and elective function in a learning programme.

Module mark

The calculated mark, rounded off to a full percentage point, for a student's written, oral and/or practical work in a particular module, and calculated in accordance with the stipulations in the study guide for the relevant module.

Notional learning hours

Notional learning hours denote an informed estimate of the average learning time that an average student will devote to achieving the expected learning outcome(s). Such learning time includes contact time, practical work, independent and supervised study as well as the time required for assessment. One credit equals ten notional hours.

Occasional student

A student who complies with the admission requirements of the University and who enrolls for modules forming part of approved qualifications, but who does not register for the full qualification.

Promotional module

A promotional module is presented over a period of one year, after which students sit for an end-assessment. Over and above other pass requirements a student must fulfil particular promotional requirements to be promoted to the next study year.

Programme

A programme refers to the overall focus of the various learning programmes that constitute the programme. A programme is the academic particularisation of one or more of the strategic focuses of the University of the Free State (UFS).

Qualification

In an outcomes-based approach, a qualification refers to the certification of the achieved learning outcomes of a learning programme, expressed as an accumulation of credits at specific levels. A qualification represents the demonstrate performance of a student in a planned and goal-directed combination of learning outcomes, which are directed at equipping students with applied competence and a foundation for further learning.

Recipients of certificates, diplomas and degrees (graduates)

A student who complies with the minimum requirements of the particular qualification and where, after assessment, it is certified that the student has achieved the required level of competence for said qualification.

Registration

An annual contractual agreement entered into by the University and the student in terms of prescribed procedures.

Semester guide

A guide that organises certain aspects per module. The dates in the guide may change according to revisions effected by the Executive Management, UFS Calendar and/or the Management of the School of Medicine.

Semester mark

The calculated average of a student's written, oral and/or practical work during the semester in a particular module, rounded off to a full percentage point and calculated in accordance with the stipulations of the faculty concerned.

Semester system

This implies that the academic year will be divided into two independent semesters, and assessment conducted at the end of each semester.

Statute

The statute of the University of the Free State, as amended and promulgated in accordance with section 32 of the Higher Education Act, 1997 (Act 101 of 1997 as amended), which is, in terms of the provisions of section 33 of said Act, published with the approval of the Minister of Education.

Syllabus

A grouping of learning material of a specific module methodically spread over the semesters/years.

Year mark

The calculated average of a student's written, oral and/or practical work during the year in a particular module, rounded off to a full percentage point, calculated in accordance with the stipulations of the faculty concerned.

DEGREE PROGRAMMES

Besides degrees and diplomas the University may introduce in the future, the following degree programmes can be obtained in the Faculty of Health Sciences:

| Degree | Abbreviation of Degree | Minimum duration | Code |
|---|---|-------------------------|-------------|
| Bachelor of Medicine and Bachelor of Surgery (Programme for Professional Medicine)..... | M.B.,Ch.B | 5 yrs | 8371 |
| Baccalaureus in Medical Sciences (Radiation Sciences) | B.Med.Sc. (Radiation Sciences) | 3 yrs | 8302 |
| Learning Development Programme | LDP..... | 6mths..... | 8003 |
| Programme for Baccalaureus of Medical Clinical Practice | B.Med.Clin.Prac..... | 3yrs..... | 8369 |

GENERAL ORIENTATION

Although the information in the Yearbook has been compiled as accurately as possible, the Council and the Senate accept no responsibility for any inaccuracies that may occur.

The General Regulations of the University, revised where necessary, are applicable to this Faculty.

It is the sole responsibility of the student to familiarise him-/herself with the general/faculty regulations. A number of regulations apply to the various degrees and options.

Three sets of regulations are applicable:

- A. *General Regulations*** of the University are applicable to all Faculties and consequently to the qualifications and programmes of this School as well. Unless otherwise specified, the general regulations regarding Baccalaureus degrees apply to the degrees set forth below.

The General Regulations are available in Part I of the University Yearbook, available at the UFS-SASOL Library, and deal with important issues such as the following:

- Admission to the University, degree and diploma studies, and occasional study (separate modules).
- Registration as a student, module adjustments, simultaneous registration, module compilation, duration of study, prerequisites, recognition of modules passed at another institution, etc.
- Degrees with honours, readmission and preventing students from continuing, reassessment, special assessment, examination hall rules, misreading of examination timetable, results and mark sheets, etc.

The assessment and other regulations applicable to you are summarised in the regulations below.

- B. *Faculty Regulations***, specifically applicable to degrees and programmes offered in this School, are set forth in this publication.
- C. *Regulations regarding the profession*** (where necessary included in the text below).

REGULATIONS

The regulations with regard to the undergraduate qualifications and study programmes in the School of Medicine are further explained below.

The pass requirements pertaining to modules, clinical residencies, integrated assessments, special study module dissertations, the elective report and report on community work are set forth in the Phase I, Phase II and Phase III module guides.

PROGRAMME FOR PROFESSIONAL MEDICINE: MEDICINAE BACCALAUREUS AND CHIRURGIAE BACCALAUREUS
M.B.,Ch.B. (Programme for Professional Medicine) Study Code : 8371

Reg. M3 REGULATIONS FOR THE PROGRAMME FOR PROFESSIONAL MEDICINE MEDICINAE BACCALAUREUS AND CHIRURGIAE BACCALAUREUS

This programme (8371) is valid from 1 January 2007

Reg. M3.1 ADMISSION REQUIREMENTS

Only a student in possession of a National Senior Certificate issued by UMALUSI (or an equivalent qualification approved by the University), will be admitted to the programme.

With regard to the Science mark, the following will be applicable to all applicants: A minimum average, compulsory mark at achievement level 5 (60%) is required for each of the following: Mathematics, Physical Sciences and Life Sciences. An Admission Point (AP-score) of at least 36 is required.

In respect of the language of instruction of choice (Afrikaans or English), a minimum achievement mark at achievement level 5 (60%) is required. Senior students' admission requirements are determined by the selection requirements as set per category and contained in the selection policy.

Elucidation:

- (a) Only a limited number of candidates are admitted annually to the first year of the programme. Admission is subject to selection.
- (b) Admission is granted only to the first year of the programme.
- (c) Prospective students are advised to take Physical Sciences and Life Sciences as Grade 12 subjects. Mathematics is a prerequisite.
- (d) Prior to admission, a student who is selected for the programme has to pay a deposit that is deductible from class fees.
- (e) Students receive training at the approved training complexes and also render community service in Bloemfontein and vicinity and other training institutions. Students are responsible for their own transport arrangements during training.

Reg. M3.2 ADMISSION REQUIREMENTS: STUDENTS FROM OTHER UNIVERSITIES

A student who has failed in the programme in Medicine at another university and has been refused further study in Medicine at that university, will not be admitted to the programme in Professional Medicine at this University.

Reg. M3.3 REGISTRATION AS STUDENT

The registration programme will be announced in writing to the students. Students must register annually.

The student is expected to make all the prescribed payments before reporting for registration.

A student who fails semester 1 of the first study year and transfers to the Learning Development Programme will automatically be deregistered from the M.B.,Ch.B. programme and registered for the Learning Development Programme. The latter excludes all senior students and students who have already completed a bridging programme. If the student passes the Learning Development Programme at the end of semester 2, he/she must be reselected (thus must apply – See Reg.M.4.7) and registered for the M.B.,Ch.B. programme. It is the student's responsibility to ensure that the re-registration does occur.

Elucidation:

Payment may occur at any post office or branch of Absa bank in the country.

Absa bank branch code: 632005

The University account number: 1570 151 688

Reference number: 100 + your student number.

Reg. M3.4 DURATION OF THE PROGRAMME

The minimum period required to obtain the M.B.,Ch.B. degree is five years full-time study.

Reg. M3.5 REGISTRATION AS STUDENT IN MEDICINE WITH THE HEALTH PROFESSIONS COUNCIL OF SOUTH AFRICA

Every student in Medicine is under obligation to register with the Health Professions Council of South Africa (HPCSA) as a student in Medicine. Students will be advised by the University when such registration should occur.

Elucidation:

The complete set of rules and regulations concerning registration with the Health Professions Council of South Africa as a student in Medicine is available for perusal at the office of the Deputy Director: Faculty Administration.

Reg. M3.6 THE PROGRAMME

The programme is divided into three phases. Phase I is offered in semester 1, Phase II in semester 2 to 5, and Phase III in semesters 6 to 10. In Phases I and II the contents are arranged in thematic or system-based modules. Phase III is devoted to Clinical Medicine.

DIAGRAMMATIC REPRESENTATION OF THE STRUCTURE OF THE M.B.,Ch.B.-PROGRAMME 8371

| PHASE I | PHASE II | | | | PHASE III | | | | | | |
|--|--|---|--|---|--|--|--|--|--|--|--|
| YEAR 1 | | YEAR 2 | | YEAR 3 | | YEAR 4 (196C) | | YEAR 5 (200C) | | | |
| Semester 1(84C) | Semester 2 | Semester 3 (152C) | | Semester 4 (88C) | Semester 5 (104 C) | Semesters 6 (36C) | | Semester 7 | Semester 8 | Semester 9 | Semester 10 |
| MEB153(12C) Health Psychology | GMR124 (0C) ** Membranes, Receptors and principles of Pharmacotherapy | GMR218 (32C) | | GUS264 (16C) Urinary system | MF354 (16C) Respiratory system | MEG323 (12C) Health Policy and Service Provision | | INM479 (52C) Internal Medicine (Cardiology/ Neurology) | INM489 (52C) Internal Medicine (Cardiology/ Neurology) | INM579(48C) Internal Medicine | INM589(48C) Internal Medicine |
| MEC153(12C) The Doctor and the Environment | MEO124 (0C) ** Structure and Development of the Body (dissection program) | MEO218 (32C) | | MEQ264 (16C) Haematology and Immunology | MEX354 (16C) Health and disease in populations | MAE323 (12C) Human Life Cycle | | CHM479 (48C) Surgery (Otorhinolaryngology/ Ophthalmology /Orthopaedics) | CHM489 (48C) Surgery (Otorhinolaryngology/ Ophthalmology /Orthopaedics) | CHM579(56C) Surgery (Orthopedics, Urology and Trauma) | CHM589(56C) Surgery (Orthopedics, Urology and Trauma) |
| MED153(12C) Concepts of Health and Disease | MEI124 (0C)** Molecules of the Body Metabolism | MEI218(32C) | | MIS264 (16C) Cardiovascular system | MGB354 (16C) Nervous system | GRE323 (12C) Reproduction | | PEM478 (32C) Paediatrics | PEM488 (32C) Paediatrics | PEM578 (24C) Paediatrics | PEM588 (24C) Paediatrics |
| MEE153(12C) Tissues of the Body | | MFP214(16C) Mechanisms of Disease | | MEY264(16C) Genital system | GEE354(16C) Endocrine system | INM323 (0C)** Internal Medicine (Cardiology/ Neurology) | | GOB478 (32C) Obstetrics and Gynaecology | GOB488 (32C) Obstetrics and Gynaecology | GOB578 (24C) Obstetrics and Gynaecology | GOB588 (24C) Obstetrics and Gynaecology |
| MEF153(12C) Structure and Development of the Body | | MJR214(16C) Infections and Antimicrobial Drugs | | MEU264 (16C) Gastrointestinal system | MEZ354 (16C) Human diversity, Human Rights and Legal ethics | CHM323 (0C)** Surgery (Otorhinolaryngology/ Ophthalmology /Urology) | | OSM478 (32C) Psychiatry (Oncology) | OSM488 (32C) Psychiatry (Oncology) | HAN578 (32C) Family Medicine and Anaesthesiology | HAN588 (32C) Family Medicine and Anaesthesiology |
| MEA153(12C) General Skills | GSM124 (0C) ** Epidemiology, Biostatistics and Special Study Module(SSM) | GSM213 (12C) | | GSM262 (0C) Epidemiology, Biostat. and SSM | GSM352 (8C) Epidemiology, Biostat. and SSM | PEM323 (0C)** Paediatrics | | GOB323 (0C)** Obstetrics and Gynaecology | OSM323 (0C) ** Psychiatry | OSM578 (16C) Psychiatry | OSM588 (16C) Psychiatry |
| Level 8 Total Credits: 860 Notional Hours: 8600 | Development Programme (LDP) of 6 months for candidates that failed | | | GKV264 (0C) ** Clinical Skills | GKV353 (12C) | | | | | | |
| | IMA190 Integrated Medical Assessment Module Mark | | | IMA290 Integrated Medical Assessment Module Mark | | | | | | | |

Compulsory residency with an approved general practitioner – 2 weeks electives

Academic afternoons are being scheduled in semester 7-10 (Diverse elective themes) (24 Credits per annum included in module credits)

Semester Examinations at the end of Sem. 9 and 10 and in Family Medicine (HAN578/588) only at end of Sem. 10

**Continuation

Reg. M3.7 ATTENDANCE OF CLASSES

Attendance of all contact periods in all three Phases is compulsory. Students are expected to have 100% class attendance. Students who have attended less than 80% of the contact periods of a module or clinical residency will not be allowed to participate in the assessment at the end of the module or residency, and will be regarded as having failed the module or residency. Students will also not be eligible for reassessment. In exceptional cases the Head of the School may grant permission for absence, on condition that the student makes prior arrangements for absence with the Head of the School.

ASSESSMENT REGULATIONS

See Reg. M4.

Reg. M3.8 PASS REQUIREMENTS

Read together with Reg. M4.

Reg. M3.8.1 Semester 1

A student must pass both question papers of the final assessment in IMA113 in the first semester to be promoted to the second semester.

Elucidation: Refer Regulation M.4.4.2 (b) which must be jointly read with M3.8.1.

Reg. M3.8.2 Semester 2 and 3

A student must pass the final assessment in IMA213 to be promoted to semester 4.

Reg. M3.8.3 Semester 4 and 5

In order to be promoted to semester 6 a student must:

- (a) Pass the final assessment in IMA313.
- (b) Submit a satisfactory Special Module Report before the end of semester 5.

Reg. M3.8.4 Semester 6, 7 and 8

- (a) A candidate must pass all the semester assessments, final assessments and clinical residencies in order to be promoted to semester 9 and 10.
- (b) At the end of semester 8, before commencement of semester 9, a two-week elective residency period with a medical practitioner must be completed.
- (c) Both the theoretical and clinical sections in all the modules of Phase III must be passed individually.
- (d) Assessment of modules MAE, GRE and MEG will occur during the course of semester 6. Marks awarded for the three modules are transferred to semester 7 and/or semester 8 as described in the relevant manuals.
- (e) The marks for GRE323 serve as theoretical mark for the first test of GOB478/488. The marks in GOB323 serve as clinical mark of the first test of GOB478/488.
- (f) The marks obtained for MAE323 and PEM323 respectively serve as theoretical and clinical mark PEM478/488.

- (g) If a student fails MEG during semester 6, in the following year's first semester the student must complete an approved project in Community Health, after which the student will be allowed to repeat semester 6 in total.
- (h) The student will not be allowed to register for any other module except the relevant project in Community Health. No exemption from modules will be granted in such a case for any module repeated in semester 6.

Reg. M3.8.5 Semester 9 and 10 (fifth year of study)

In order to pass the fifth and final year of study a candidate must:

- (a) Pass all the block and clinical residency assessments.
- (b) Pass both the theoretical and clinical assessments in all the modules of Phase III individually.
- (c) Pass the semester assessment of Family Medicine (HAN578/588), which is offered only at the end of semester 10.
- (d) Hand in a satisfactory elective report before the end of April of semester 9 (fifth year of study). These marks are included in the Family Medicine module mark.

Reg. M3.8.6 Pass requirements for subsections of the programme

The pass requirements pertaining to modules, clinical residencies, integrated assessments, special study module dissertations, the elective report and report on community work are set forth in the Phase I, Phase II and Phase III module guides.

Reg. M3.9 REPEATING

A student may not interrupt his/her studies for whatever reason for a period longer than two calendar years. A student who interrupted his/her studies for a period longer than two years must reapply for possible selection and admission to the first year of the M.B.,Ch.B. study.

If a student fails 50% or of a relevant year's modules in any year, the student is not allowed to continue his/her studies in the M.B.,Ch.B. programme.

Reg. M3.9.1 Repeating of Phase I (semester 1) and Phase II (semesters 2, 3, 4 and 5)

- (a) No student may repeat semester 1 (Phase I) more than once.
- (b) Students who have access to the IMA examination in the first study year and fail the first semester must do the Learning Development Programme (LDP).
- (c) Students who fail semester 3 or 5 must repeat the preceding semester(s) in totality. Refer to Regulation M4.2. a, b and c.
- (d) No more than two years may elapse between the first and second attempts.
- (e) Students must complete the first four academic years of study (till end semester 8) within a maximum of six calendar years, i.e. this is the maximum period allowed for the completion of the first four academic years of study.
- (f) A student who does not pass at least 50% of the total registered modules of the year will not be readmitted to the programme.

Reg. M3.9.2 Repeating of semesters 9 and 10 (fifth year of study)

A student who fails the final assessment opportunity per module at the end of semester 9 and/or 10 will be allowed to repeat the assessment in the following year in terms of the regulations stated below (a – d). If still unsuccessful, a final opportunity to repeat the assessment will be granted six months later.

- (a) A student who fails one module may repeat the assessment in the relevant module after three months. Such a student must register for the module and undergo residency.
- (b) A student who fails two modules may repeat the assessment in the relevant modules after six months. Such a student registers for the modules and must undergo residency for both relevant modules.
- (c) A student who fails three or more modules must repeat semester 9 and 10 (fifth year of study), and no exemption from assessment is granted in any of the modules. Such a student must register for the relevant modules and undergo residency for all three relevant modules.
- (d) If a student who has failed is permitted to sit for an assessment in one or more modules after six months and is still unsuccessful, a final assessment opportunity will be granted six months later.

Elucidation:

Neither a second opportunity nor an aegrotat assessment exists for modules in semester 9 and/or 10. A student who is ill during the final assessment of a module(s) will repeat the relevant module(s) after **three months** during the new academic year. Such a student must register for the relevant modules and undergo residency for the relevant modules.

Reg. M3.10 READMISSION OF STUDENTS TO THE M.B.,Ch.B. PROGRAMME (FIRST TO FOURTH YEAR OF STUDY SEMESTERS 1-8)

See Regulation M4.7.

Reg. M3.11 PROMOTION TO NEXT SEMESTER/YEAR OF STUDY

In order to be promoted to the next semester/year of study, a student has to satisfy all the pass requirements for the preceding semester / year of study.

Reg. M3.12 MODULE / SEMESTER MARK

In addition to the stipulations of Regulation A1.14 (Module mark), all the regulations apply as set forth in the Phase I, Phase II and Phase III module guides of the M.B.,Ch.B. programme.

Reg. M3.13 EXEMPTION FROM MODULES THAT HAVE ALREADY BEEN PASSED **TO BE READ IN CONJUNCTION WITH REG. M4.5 UNDER ASSESSMENT REGULATIONS**

A fourth-year student who is repeating a semester/year and has already passed a module(s), and obtained a module mark of at least 60% in the relevant module(s) in the current year, and has attended more than 80% of the contact sessions and clinical residencies in the present semester/year, could apply for exemption from assessment in the relevant module(s).

Elucidation:

Application for exemption from assessment is made on the prescribed application form available at the office of the Deputy Director: Faculty Administration. Applications must be submitted to the Head of the School of Medicine via the head of department before commencement of the assessment opportunity.

ASSESSMENT REGULATIONS

ASSESSMENT REGULATIONS REGARDING THE M.B,CH.B. PROGRAMME 8371**Reg. M4 REGULATIONS REGARDING ASSESSMENT**

The assessment regulations of the University, revised where necessary, are applicable to the School of Medicine.

Reg. M4.1 ADMISSION TO ASSESSMENT OPPORTUNITY

- (a) Attendance of all the contact sessions in all the modules in the School of Medicine is compulsory.
- (b) Students who attended less than 80% of the contact sessions or clinical residency of a module will not be permitted to take part in the assessment at the end of the module or residency and will not be considered for a second opportunity.
- (c) As soon as less than 80% attendance is reached, a student is not permitted to continue with the module without the approval of the Head of the School.
- (d) To gain admission to the assessment, a minimum module mark of 45% is required for admission to the assessment, and this applies to all modules.

Elucidation: Excluding Phase I. Refer Regulation M4.2 (A)

Reg. M4.2 COMPOSITION OF MODULE MARKS**A. PHASE I – SEMESTER 1**

The modules in semester 1 are MEA, MEB, MEC, MED, MEE and MEF.

For semester 1 the following modules will be assessed together:

- MEB, MEC, MED and MEA
- MEE, MEF and MEA

For the two groups of modules assessed together there are at least two assessment opportunities during semester 1, and each assessment comprises a module-specific and an integrated component.

At the end of semester 1, a semester final assessment is offered, comprising an integrated medical science assessment (IMA113). The format of the assessment is similar to the assessments during the semester and comprises module-specific and integrated questions.

The IMA113 comprises two question papers that must be passed independently and the groups of modules are assessed together as set forth below:

Question paper 1: - MEB, MEC and MED with MEA integrated.
Question paper 2: - MEE and MEF with MEA integrated.

If a student does not gain admission to the semester final assessment, he/she will automatically be admitted to the Learning Development Programme. The latter excludes all senior students or students who have already completed a bridging programme. Those senior and bridging students must apply to repeat semester 1 again after six months. Those senior and bridging students could apply immediately for reselection/readmission to semester 1.

The admission requirements for the semester final assessment IMA113 (semester 1) are as follows:

At least five of the six modules must be passed (at least 50%) and an admission mark of at least 45% must be obtained for the remaining module. The semester marks obtained in MEA153, MEB153, MEC153, MED153, MEE153, MEF153 do not contribute to the semester final assessment mark, but determine whether the student will be admitted to the semester final assessment. The semester marks of these modules will then also be the final module marks reflected on the University's database.

A student who fails the semester final assessment, i.e. the integrated medical science question papers (IMA113), could qualify for a second opportunity in terms of the related regulation (Regulation M4.4.2.) and must be taken in both question papers. Both groups of question papers will form part of the second opportunity. If a student fails the second opportunity as well, the student can be admitted to the Learning Development Programme in semester 2.

If a student passes the semester final assessment in IMA113 as well as the individual papers of IMA113, he/she is admitted to semester 2 (Reg. M3.8.1).

B. PHASE II – SEMESTER 2 AND 3

The modules in semesters 2 and 3 are GMR, MEI, MFP, MJR, GSM and MEO.

During the semesters, two integrated medical science assessments are offered, the marks of which contribute to the semester mark for IMA213, constituting 50% of the final mark in the written component of IMA213.

At the end of semester 3 an integrated medical science assessment (IMA213) is offered, comprising a written and OSPE (Objective Structured Practical Examination) component. Both components must be passed independently.

To obtain admission to the final assessment of IMA213, a student must pass at least five of the six modules and obtain a minimum of 45% in the failed module. If a student fails to gain admission to the final assessment of IMA213, the student must repeat semester 2 and 3. If the student fails the first final assessment of IMA213, the student could qualify for a second opportunity in terms of the related regulations. Both the written and OSPE components will be assessed.

If a student repeats semester 2 and 3 and has already passed GSM, application could be made for exemption from GSM.

If a student passes the final assessment in IMA213, he/she is admitted to semester 4.

C. PHASE II – SEMESTER 4 AND 5

The modules in semester 4 and 5 are GUS, MEQ, MIS, MEY, MEU, MFW, MEX, MGB, GEE, MEZ, GSM and GKV. GSM is a continuous module and includes a research project for which a final assessment mark is awarded at the end of semester 5.

During the semesters, two integrated medical science assessments are offered, the marks of which contribute to the semester mark for IMA313, constituting 50% of the final mark of the written component of IMA313.

At the end of semester 5, an integrated medical science assessment (IMA313) is offered. The semester final assessment (IMA313) at the end of semester 5 comprises one written integrated medical science assessment as well as an OSCE (Objective Structured Clinical Examination), which includes an oral assessment. Both components must be passed independently.

To gain admission to the final assessment of IMA313, a student must pass at least 11 of the 12 modules and obtain a minimum of 45% in the failed module. If a student fails to gain admission to the final assessment of IMA313, the student must repeat semester 4 and 5. If the student fails the first final assessment of IMA313, the student could qualify for a second opportunity in terms of the related regulations. Both the written and OSCE component will be assessed.

If the student repeats semester 4 and 5 and has already passed GSM, application could be made for exemption from GSM.

If a student passes the final assessment in IMA313 (in accordance with the conditions of Reg. M3.8.3), he/she is admitted to semester 6.

D. PHASE III – SEMESTER 6

The modules in semester 6 are MEG, MAE and GRE. In addition there are also modules INM, CHM, PEM, GOB and OSM in semester 6 that are continued in semester 7 and 8.

Marks obtained for assessments during semester 6 are carried forward to semester 7 and 8. Assessment includes both written and clinical assessment where applicable, and marks obtained contribute a maximum of 50% to the module mark at the end of semester 7 and 8. Semester 6 will include Anaesthesiology's written component of semester 5 and both the written and clinical components of semester 6.

Thus there are no semester final assessments in modules INM, CHM, PEM, GOB and OSM in semester 6, as the modules are continued in semester 7 and 8 and assessed in those semesters.

Assessment of modules MAE, GRE and MEG will occur during the course of semester 6. Marks awarded for the three modules are transferred to semester 7 and/or semester 8 as described in the relevant manuals.

The marks for GRE323 serve as a theoretical mark for the first test of GOB478/488, while the marks in GOB323 serve as a clinical mark of the first test of GOB478/488. Similarly,

the marks obtained for MAE323 and PEM323 respectively serve as theoretical and clinical marks for PEM478/488.

If a student fails MEG during semester 6, the student must, in the following year's first semester, complete an approved project in Community Health. If this is successfully completed, the student will be allowed to again present semester 6 in its totality.

The student will **not** be allowed to register for any other module additional to the relevant project in Community Health. No exemption from modules in semester 6 that are repeated will be granted.

E. PHASE III – SEMESTER 7 AND 8

At the end of both semester 7 and 8, a semester assessment per module is offered. The semester assessment involves a theoretical as well as a clinical assessment.

If a student fails the module final assessment in semesters 7 and 8, he/she could qualify for admission to the second assessment opportunity in terms of the related regulations.

F. PHASE III – SEMESTER 9 AND 10

At the end of both semesters 9 and 10 there are semester final assessments in all the relevant modules, comprising a written and clinical component. This is considered a professional qualifying examination and external examiners are involved in the assessment. These assessments deal with all clinical disciplines through which the students have rotated in the course of the preceding semester, including Otorhinolaryngology, Orthopaedic Surgery, Urology, Anaesthesiology and Radiology.

Neither a second opportunity nor an aegrotat assessment exists for semesters 9 and 10. A student who is ill during the final assessment of a module(s) will repeat the module(s) after three or six months according to the programme of the following academic year. Such a student must register for the relevant module(s). No other provision is made for aegrotat assessments.

A final clinical integrated assessment is offered by Family Medicine (HAN578/588) at the end of semester 10. This involves clinical cases and OSCE (OSPE) during which the student is assessed in respect of general clinical evaluation and treatment of a patient, as well as professional and communication skills, attitude and conduct. If a student fails the assessment in module HAN, while all other modules are passed, only HAN must be repeated for three months in the following year.

Students who fail any of the six modules in one or both the semester examinations, will have to repeat the relevant residencies and assessments as contained in **Reg. M3.9.2: Repeating of semesters 9 and 10 (fifth year of study)**

Reg. M4.3 PROMOTION SYSTEM

No promotion system exists at undergraduate level for modules offered in the Faculty.

Reg. M4.4 ASSESSMENT SYSTEM

Reg. M4.4.1 General regulations with regard to programmes

All students in the School of Medicine are required to participate in the first assessment opportunity.

Reg. M4.4.2 Qualifying of a student for the second assessment opportunity

A student who fails the first opportunity qualifies for a second opportunity (excluding semester 9 and 10) if:

- (a) A student has obtained a final combined mark of at least 45% with a subminimum of at least 30% during the first assessment opportunity.
- (b) A student has obtained a final combined mark of 50% or more during the first assessment opportunity, but not the subminimum of 40% in the components of the specific assessment.
- (c) A student submits a valid medical certificate, certifying that the student was unable to participate in the first assessment opportunity (special form to be completed by a medical practitioner).

Elucidation: This medical certificate must be handed in to the Head of the School of Medicine, Room D204, within 48 hours after the absence. No further opportunity exists for students who participate in the second opportunity in this manner, except in the case of a special assessment opportunity as set forth below. (Only M.B.,Ch.B. students).

- (d) The student obtains a combined mark of 50%, but does not pass both the theoretical and clinical component individually.
- (e) Phase I and II: If a student for any reason qualifies for a second examination opportunity after one or more of the relevant IMA papers have been written, all the papers must be written again during the second examination opportunity.

No second assessment opportunity exists in the School of Medicine for improvement of the final module mark.

The second assessment opportunity of semesters 1, 3, 5 and 7 is offered during June, and the second assessment opportunity of semester 8 in November of the relevant year.

Reg. M4.4.3 Special assessment opportunity: Only M.B.,Ch.B. IV (Phase III: Semester 7 and 8)

- (a) A special assessment opportunity is offered for M.B.,Ch.B. IV in November of the same year during the second assessment opportunity.
- (b) A student requiring one module (from first or second semester of the relevant year) after the first assessment opportunity in order to pass the year, could qualify for a special assessment opportunity provided that the student:
 - (i) Did have admission to the first assessment opportunity (i.e. a module mark of at least 45%).
 - (ii) Obtained at least 30% for the outstanding module during the first assessment opportunity.
 - (iii) Passed all the other modules, or qualified for a second assessment opportunity in other modules in November of the same year.

- (c) Where curricula require a student to pass all modules of the particular semester/year in order to be promoted to the next year of study, a student with only **one** outstanding module (first or second semester of the relevant year) will be admitted to a special assessment opportunity during the second assessment opportunity irrespective of any stipulations. This stipulation applies only to M.B.,Ch.B. IV students
- (d) A student who requires one or more modules in order to pass the semester(s)/year after the second assessment opportunity must repeat the semester(s)/year. See Reg. M4.7 (b).
- (e) If a student failed to participate in either the first or the second assessment opportunity, such a student will be denied any further assessment opportunity.

Reg. M4.4.4 Examination results

A student may apply in writing to have a specific examination paper reviewed for errors within five examination days after announcement of the preliminary examination results on a specified notice board.

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 lecturer / module leader / head of department and Programme Director, in coordination with the Head of the School. Both the student and the office retain copies for record purposes.
- (b) The lecturer / module leader / head of department will be notified telephonically by Faculty Administration.
- (c) The lecturer / module leader / head of department will review the examination script for mistakes or to check if marks were correctly added 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 head of department 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 head of department 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 School of Medicine. 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, which must be carried by the student.
- (i) Should a student, after the above 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 Faculty of Health Sciences. 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.
- (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 additional motivations will be considered after the final decision of the Appeals Committee.

Reg. M4.4.5 Calculation of marks

- (a) The module mark and the assessment mark contribute both to the final combined mark (excluding Phase I). The exact weight of each module is explained in the module's guides.
- (b) Calculation of marks of students who participated in the second assessment opportunity:
 - (i) If a student participated in the second assessment opportunity on account of illness, the final combined mark is calculated as for the first assessment opportunity (i.e. module mark 50% and assessment mark 50%).
 - (ii) If a student qualified for a second assessment opportunity and/or special assessment opportunity, the module mark and the marks of only the second or special assessment opportunity will be taken into account (i.e. module mark 50% and second/special assessment opportunity 50%), provided that a final combined assessment mark of only 50% be awarded to students who pass.

Reg. M4.5 EXEMPTION FROM MODULES THAT HAVE ALREADY BEEN PASSED

- (a) MEA
M.B.,Ch.B. students who have satisfied the expected outcomes in MEA (General Skills Module), but who are repeating the first semester, could be exempted from portfolio assessment in MEA, but must still satisfy the attendance requirements. Application for exemption from the portfolio assessment must be made on the prescribed form available at the office of the Deputy Director: Faculty Administration and submitted to the Head of the School *via* the module leader.
- (b) Only fourth year of study
An M.B.,CH.B. student who has already passed a module(s) and obtains a module mark of at least 60% during the following year and has at least 80% attendance of contact sessions and clinical residency, could be exempted from the assessment in the relevant module(s). Application for exemption from the said assessment is made on the prescribed application form available at the office of the Deputy Director: Faculty Administration. This application must be submitted to the Head of the School via the head of the department before commencement of the assessment opportunity.

Reg. M4.6 FIRST QUALIFICATION WITH DISTINCTION (CUM LAUDE) (does not apply to B.Med.Sc. students)

- (a) A qualification with distinction (cum laude) will be awarded if an average mark of at least 75% is obtained over all the modules during the final assessment and an average of 70% over the rest of the programme.
- (b) The qualification has to be obtained within the prescribed period.

Reg. M4.7 READMISSION OF STUDENTS TO THE M.B.,Ch.B. PROGRAMME (first to fourth year of study: Semesters 1 - 8)

The following apply, irrespective of the stipulations of the General Regulations:

- (a) A student is permitted to repeat semester 1 only after having completed the Learning Development Programme and being reselected to semester 1. The latter excludes senior students and students who have already completed the bridging programme.

The student must apply in writing for admission as soon as the final results are known.

- (b) To gain admission to repeating semesters 2 and 3, semesters 4 and 5, as well as semesters 7 and 8, a student must be reselected and he/she must apply for this in writing as soon as the final results of the relevant assessment are known.
- (c) Semester 1-8 may each be repeated only once.
- (d) A student who has failed must apply in writing to the Deputy Director: Faculty Administration for readmission to the relevant semester within seven days after the final results are known.
- (e) A student may not interrupt his/her studies for whatever reason for a period exceeding two calendar years. A student who interrupts his/her studies for a longer period must reapply for possible selection and admission to the first year.
- (f) If a student in any year fails 50% or more of the relevant year's modules, the student is not allowed to continue his/her studies in the MB, Ch.B. programme.

Reg. M5 REGULATIONS FOR THE DEGREE BACCALAUREUS IN MEDICAL SCIENCES (RADIATION SCIENCES)**Reg. M5.1 ADMISSION REQUIREMENTS**

Only candidates in possession of a National Senior Certificate issued by UMALUSI (or an equivalent qualification that would have to be approved by the University) will be admitted to the programme. An average minimum mark on achievement level 5 (i.e. 60%) for science disciplines is required and will be calculated on the basis of Mathematics and Physical Science on achievement level 5 (60%). Life Sciences is a recommendation. All students, including senior students from other faculties and universities, will be subject to selection. An Admission Point (AP-score) of at least 36 is required.

In respect of the language of instruction chosen (English or Afrikaans) a minimum achievement mark 5 (60%) is required.

Reg. M5.1.1 Recognition of modules before obtaining a qualification from this University

Yearbook for Institutional Rules, Regulation A11 for first Baccalaureus degrees applies.

Reg. M5.1.2 Recognition of modules after obtaining a qualification from this University

Yearbook for Institutional Rules, Regulation A12 for first Baccalaureus degrees applies.

Reg. M5.1.3 Recognition of modules passed at another higher education institution

Yearbook for Institutional Rules, Regulation A10 for first Baccalaureus degrees applies.

Students will be admitted to the programme only after complete syllabi and credits of each module such a student had passed have been submitted to the department offering the programme. The Faculty of Health Sciences reserves the right to subject a student to an admission examination.

Reg. M5.2 COMPOSITION OF THE CURRICULUM

Yearbook for Institutional Rules, Regulation A8 for first Baccalaureus degrees applies.

The curriculum comprises compulsory and elective (chosen) modules. Modules must be selected in such a way as to satisfy the prerequisites of such modules and the requirements of the degree programme. Students must take note that three elective major module fields exist for the third study year, one of which must be selected. During the second study year students must therefore ensure that elective modules are selected in such a way as to satisfy the prerequisites of the selected field. **Radiation Science (RSC) is the compulsory major module.**

Reg. M5.3 CURRICULUM (Total credits 424)

A student enrolled for the B.Med.Sc. (Radiation Sciences) programme has to compile the curriculum according to the information below, with due allowance for the Faculty and General Regulations.

| Year | Subject | Semester 1 | Semester 2 |
|------|--|---|---|
| 1 | Physics Mathematics Biology Anatomy Chemistry Basic skills* | FSK114 (16 C) WTW134 (16 C) BLG114 (16 C) CEM114 (16 C) ACC112 (8 C) | FSK124 (16 C) WTW144 (16 C) ANA124 (16 C) CEM124 (16 C) |
| 2 | Radiation physics Radiobiology Radiation detectors Tumour biology Physics Applied mathematics Physiology | RSC213 (12 C) RSC233 (12 C) FSK214 (16 C) and FSK232 (8 C) WTW234 (16C) | RSC223 (12 C) RSC243 (12 C) FSK224 16 C) and FSK242 (8 C) WTW244 (16 C) |
| | | FFA208 (32 C) | |
| 3 | Radiation dosimetry Oncology Radiation protection Treatment modalities Physics | RSC314 (16 C) RSC334 (16 C) FSK314 (16 C) and FSK332 (8 C) and FSK352 (8 C) | RSC324 (16 C) RSC344 (16 C) FSK324 (16 C) and FSK342 (8 C) and FSK362 (8 C) |

*Basic Skills ACC112 - the module in Basic Skills is compulsory and must be passed before a degree will be awarded.

Reg. M5.4 PREREQUISITES

Yearbook for Institutional Rules, Regulation A8 for first Baccalaureus degrees applies.

Additional to the prerequisites included in the Yearbook for Institutional Rules, the following prerequisites apply with regard to Radiation Sciences.

| | |
|--------|--------------------------|
| RSC213 | Min(FSK114) and (FSK124) |
| RSC233 | |
| RSC223 | Min(RSC213) |
| RSC243 | Min(RSC233) |
| RSC314 | |
| RSC334 | |
| RSC324 | Min(RSC314) |
| RSC344 | Min(RSC334) |

Reg. M5.5 DURATION OF THE PROGRAMME

Yearbook for Institutional Rules, Regulation A8(c) for first Baccalaureus degrees applies.

The minimum length of time required for obtaining the B.Med.Sc. degree in Radiation Sciences is three years full-time study.

Elucidation:

After completion of the third year, postgraduate studies in Medical Physics may be pursued up to Ph.D. level. A student who wishes to register with the Health Professions Council of South Africa as a Medical Physicist, must be in possession of a B.Med.Sc.(Hons.) in Medical Physics and have completed two years internship.

Reg. M5.6 REGULATIONS REGARDING ASSESSMENT

The assessment regulations of the University, revised where necessary, are applicable to the B.Med.Sc. Radiation Sciences programme.

Reg. M5.6.1 ADMISSION TO ASSESSMENT OPPORTUNITY

- (a) Attendance of all the contact sessions in all the modules in the School of Medicine is compulsory.
- (b) Students are expected to have 100% class attendance. Students who have attended less than 80% of the contact sessions of a module will not be permitted to take part in the assessment at the end of the module and will not be considered for a second opportunity.
- (c) To gain admission to the assessment, a minimum module mark of 40% is required for admission to the assessment, and this applies to all modules.

Reg. M5.7 ASSESSMENT SYSTEM

Reg. M5.7.1 General regulations with regard to programmes

All students in the School of Medicine are required to participate in the first assessment opportunity.

Reg. M5.7.2 A qualifying student for the second assessment opportunity

A student who fails the first opportunity qualifies for a second opportunity when:

- (a) A student has obtained a final combined mark of at least 45% with a subminimum of at least 30% during the first assessment opportunity.
- (b) A student has obtained a final combined mark of 50% or more during the first assessment opportunity, but not the subminimum of 40% in the components of the specific assessment.
- (c) A student submits a valid medical certificate, certifying that the student was unable to participate in the first assessment opportunity (special form to be completed by a medical practitioner).

Elucidation:

This medical certificate must be handed in to the Head of the School of Medicine, Room D204, within 48 hours after the absence.

- (d) Regulation A15 (f) and (g) in the Yearbook for Institutional Rules for obtaining the degree do apply, provided that the student:

- (i) Did have admission to the assessment opportunity (i.e. had a module mark of at least 40%).
- (ii) Obtained at least 30% in the outstanding module during the assessment opportunity.
- (e) Except for the stipulations of Regulation A8 (B) and A19 (a) in the Yearbook for Institutional Rules, a student with outstanding modules is permitted to continue with his/her studies.

Reg. M5.8 PASS WITH HONOURS

See General Regulations.

**LEARNING DEVELOPMENT PROGRAMME IN THE FACULTY OF
HEALTH SCIENCES
(Learning Development programme)**

**96 credits
Study code 8003**

Reg. M6 REGULATIONS FOR THE LEARNING DEVELOPMENT PROGRAMME

Reg. M6.1 ADMISSION REQUIREMENTS

Only students who have access to the IMA examination in the first study year and fail the first semester in the first study year will be admitted to the Learning Development Programme (LDP). Students who fail their first semester will be compelled to enrol for the Learning Development Programme (LDP).

Elucidation:

The following students will not be admitted to the Learning Development Programme:

- (a) A student who had already completed the University's Career Preparation Programme before selection.
- (b) Senior students, i.e. students who had already obtained a degree or had been engaged in degree studies before being selected to the M.B.,Ch.B. programme.

Reg. M6.2 DURATION OF THE PROGRAMME

The duration of the Learning Development Programme is six months and is presented in the second semester.

Reg. M6.3 THE PROGRAMME

The Learning Development Programme extends over the entire semester (six months) and all the subjects are compulsory:

DIAGRAMMATICAL REPRESENTATION OF THE STRUCTURE OF THE PROGRAMME

| | | |
|---------------------------------|--------|------------|
| Biophysics | BFS124 | 12C |
| Integrated Anatomy & Physiology | BMN124 | 16C |
| | BMN193 | 12C |
| Mathematics | WTW164 | 16C |
| Computer Science & Informatics | BRS121 | 4C |
| Language Skills | ALM194 | 16C |
| Life Skills | VBL194 | |

C = Credits

Reg. M6.4 CLASS ATTENDANCE

Attendance of all the contact periods in the Development Programme is compulsory. Students who attended less than 80% of the contact periods of a module will not be permitted to participate in the examination and will be considered to have failed the module and not be eligible for reassessment. In exceptional circumstances, the Head of the School could grant consent for absence, on condition that students make prior arrangements for absence with the Head of the School.

Reg. M6.5 MODULE MARK

- (a) In addition to the stipulations of Reg. A14, the regulations of the School of Medicine and School for Allied Health Professions apply.
- (b) Marks obtained for written, oral and/or practical work conducted during a module could contribute to the module mark. (Details of the composition of the module mark are contained in the various module manuals.)

Reg. M6.6 ASSESSMENT REGULATIONS

Refer to the assessment regulations of the School of Medicine (Reg. M4) and School for Allied Health Professions (Reg. AGB 1.5-1.13).

Reg. M6.7 PASS REQUIREMENTS

- (a) A final combined mark of at least 50% must be obtained in order to pass a module.
- (b) A subminimum of 40% applies to the examination mark.
- (c) A student must pass at least five modules with a minimum of 50% and also one module with at least an assessment mark of more than 40%.
- (d) The student will fail the semester if the student attained a mark of less than 50% in more than one module or if a mark is attained of less than 40% in one or more modules.

Reg. M6.8 PROMOTION SYSTEM

No promotion system at undergraduate level exists in the School of Medicine and School for Allied Health Professions for this programme.

Reg. M6.9 REPEATING

No student may repeat the Learning Development Programme. If a student fails the Learning Development Programme, the student will not be allowed to continue with the M.B.,Ch.B. or learning programmes of the School for Allied Health Professions.

Reg. M6.10 READMISSION

Reg. M6.10.1 READMISSION TO THE M.B.,CH.B. PROGRAMME, SEMESTER 1

- (a) Students who pass the Learning Development Programme have to apply in writing for readmission to the M.B.,Ch.B. programme at the end of the year.
- (b) Students who pass the Learning Development Programme and are readmitted to the M.B.,Ch.B. programme must repeat all the modules of Semester 1 (MEB153, MEC153, MED153, MEE153, MEF153, MEA153 and IMA113).
- (c) Students who have initially passed MEA153, must attend all the contact sessions and group activities again. However, the student need not submit a portfolio again.

Reg. M6.10.2 READMISSION TO PROGRAMMES IN THE SCHOOL FOR ALLIED HEALTH PROFESSIONS

- (a) Students who passed the Learning Development Programme will be readmitted to the specific programme in the School for Allied Health Professions for which he/she was registered. Students will have to repeat all the modules of semester 1 that are offered in the Faculty.

- (b) Students who have already passed AAV112/ACE112, can apply to the Head of the School for Allied Health Professions for exemption from assessment in these modules.

* * *

The following programme is DORMANT

**Reg. M7 REGULATIONS FOR THE DEGREE BACCALAUREUS OF
MEDICAL CLINICAL PRACTICE**

Students who apply for the degree are subject to a selection process. Students from the National Department of Health selection pool will be presented for selection and must comply with both the stipulations of the General Regulations (First Qualifications) and the Regulations of the Faculty of Health Sciences. Clear selection and admission criteria will be set and applied by the University.

Reg. M7.1 ADMISSION CRITERIA

Students may register for the B.Med.Clin.Prac. provided the following apply:

M-Count:

- 1 Only a student in possession of a National Senior Certificate issued by UMALUSI (or an equivalent qualification approved by the University), will be admitted to the programme. An Admission Point (AP-score) of at least 28 is required.
- 2 A minimum average, compulsory mark at achievement level 5 (60%) is required for Mathematics. In respect of the language of instruction of choice (Afrikaans or English), a minimum achievement mark at achievement level 5 (60%) is required.
- 3 A minimum average, compulsory mark at achievement level 5 (60%) is required for Life Sciences. A minimum average mark at achievement level 5 (60%) is required for Physical Science or an optional human science subject.

Elucidation:

Mathematics and Life Sciences are compulsory.

A minimum average mark at achievement level 5 (60%) is required for natural science subjects and will be calculated on the basis of Mathematics, Life Sciences and an optional natural science subject. In other words a minimum average, compulsory mark at achievement level 5 (60%) for Mathematics plus Life Sciences or a minimum average, compulsory mark at achievement level 5 (60%) for Mathematics plus Life Sciences and an optional natural science subject.

APS-Count:

- 1 Only a student in possession of a valid National Senior Certificate issued by UMALUSI, with admission for degree purposes (or an equivalent qualification approved by the University), will be admitted to the programme. An Admission Point (AP-score) of at least 28 is required.
- 2 A minimum average, compulsory mark at achievement level 5 (60%) is required for Mathematics. In respect of the language of instruction of choice (Afrikaans or English), a minimum achievement mark at achievement level 5 (60%) is required.
- 3 A minimum average, compulsory mark at achievement level 5 (60%) is required for Life Sciences and Physical Sciences is an additional recommendation.

Elucidation:

Mathematics and Life Sciences are compulsory.

A minimum average mark at achievement level 5 (60%) is required for natural science subjects and will be calculated on the basis of Mathematics and Life Sciences or Mathematics, Life Sciences and Physical Science. In other words a minimum average, compulsory mark at achievement level 5 (60%) for Mathematics plus Life Sciences or a minimum average, compulsory mark at achievement level 5 (60%) for Mathematics plus Life Sciences and Physical Sciences.

Reg. M7.2 DURATION OF THE PROGRAMME

The duration of training extends over three years.

Elucidation:

A student who wishes to register with the Health Professions Council of South Africa as a clinical practitioner must be in possession of a B.Med.Clin.Prac. degree. No internship applies at present.

Reg. M7.3 EXPERIENCE

Before the B.Med.Clin.Prac. degree is conferred on a student, he/she must convince the University that he/she:

- (a) Received adequate theoretical, practical and clinical instruction.
- (b) Was registered as a student at the University of the Free State for the full prescribed period.
- (c) Successfully completed the University of the Free State assessments – written, oral, logbooks, portfolios, practical and/or clinical assignments – as prescribed.
- (d) Was registered at the HPCSA from the first year of study for all study years.

Reg. M7.4 RECOGNITION OF PRIOR LEARNING

Yearbook for General Regulations (First Qualifications) applies.

Exemption to a maximum of 12 months may be granted in special cases of merit.

Elucidation:

Special merit could, for example, refer to:

- (i) Having passed Phase II final assessment of M.B.,Ch.B. at UFS.
- (ii) Successful completion of entry level examination to determine level of competency and knowledge.

Reg. M7.5 CURRICULUM (TOTAL CREDITS 408)

The curriculum comprises compulsory and elective (chosen) modules. All modules in study year one and study year two are compulsory. Two elective modules must be selected together with the compulsory modules during study year three.

Year 1: *(Suggested module codes)*

| Module/Course name | Fundamental | Credits | Core | Credits |
|-------------------------------------|-------------|---------|------|---------|
| GSI 102 – Generic skills | Yes | 8 | No | |
| BCP 102 – Human biology | Yes | 8 | No | |
| CAR 104 – Cardiovascular 1 | No | | Yes | 16 |
| RES 104 – Respiratory 1 | No | | Yes | 16 |
| GAI 104 – Gastro-intestinal 1 | No | | Yes | 16 |
| GEU 104 – Genito-urinary 1 | No | | Yes | 16 |
| CNS 104 – Central nervous system 1 | No | | Yes | 16 |
| MSK 104 – Musculoskeletal 1 | No | | Yes | 16 |
| ESR 104 – Endocrine, skin and RES 1 | No | | Yes | 16 |

Year 2: *(Suggested module codes)*

| Module/Course name | Fundamental | Credits | Core | Credits |
|-------------------------------------|-------------|---------|------|---------|
| SSI 202 – Special skills | No | | Yes | 8 |
| BCP 202 – Human biology 2 | Yes | 8 | No | |
| CAR 204 – Cardiovascular 2 | No | | Yes | 16 |
| RES 204 – Respiratory 2 | No | | Yes | 16 |
| GAI 204 – Gastro-intestinal 2 | No | | Yes | 16 |
| GEU 204 – Genito-urinary 2 | No | | Yes | 16 |
| CNS 204 – Central nervous system 2 | No | | Yes | 16 |
| MSK 204 – Musculoskeletal 2 | No | | Yes | 16 |
| ESR 204 – Endocrine, skin and RES 2 | No | | Yes | 16 |

Year 3: *(Suggested module codes)*

| Module/Course name | Fundamental | Credits | Core | Credits |
|---|-------------|---------|------|---------|
| ASI 302 – Advanced special skills | No | | Yes | 8 |
| BCP 302 – Human biology 3 | Yes | 8 | No | |
| WOH 304 – Women's Health | No | | Yes | 16 |
| CHH 304 – Child Health | No | | Yes | 16 |
| AET 304 – Accident and emergency + trauma | No | | Yes | 16 |
| INF 304 – Infectious diseases | No | | Yes | 16 |
| ANS 304 – Anaesthetics | No | | Yes | 16 |
| DIS 302 – Dispensing | No | | Yes | 8 |
| MEH 302 – Mental Health | No | | Yes | 8 |
| HCS 302 – Health Care Systems | No | | Yes | 8 |

Additionally to the compulsory modules of study year 3, select two elective modules from the list below: *(Suggested module codes)*

| Module/Course name | Electives | Credits |
|--|-----------|---------|
| ORT 304 – Orthopaedics | Yes | 16 |
| AAE 304 – Accident and emergency | Yes | 16 |
| CFO 304 – Clinical forensic | Yes | 16 |
| TPF 304 – Termination of pregnancy and Family Planning | Yes | 16 |
| TRN 304 – Tropic health | Yes | 16 |

Total Credits 408.

Reg. M7.6 PROMOTION TO NEXT YEAR OF STUDY

Yearbook for General Regulations (First Qualifications) applies. No student can continue to the next year of study if the previous year was not fully completed and passed satisfactorily.

Reg. M7.7 ASSESSMENT

Reg. M7.7.1 Time frames

| | | |
|------------------------|---|--------------|
| End of second semester | - | Study Year 1 |
| End of fourth semester | - | Study Year 2 |
| End of sixth semester | - | Study Year 3 |

The assessment regulations of the University, adjusted where necessary, are applicable to the B.Med.Clin.Prac. programme.

Reg. M7.7.2 Admission to assessment opportunity

- (a) Attendance of all the contact sessions in all the modules is compulsory.
- (b) Students who have attended less than 80% of the contact sessions of a module will not be permitted to take part in the final assessment at the end of the module and will not be considered for a second opportunity.
- (c) A minimum module mark of 40% is required for admission to the final assessment, and this applies to all modules.

Reg. M7.7.3 Assessment system

Reg. M7.7.3.1 General regulations with regard to programme

All students are required to participate in the first assessment opportunity of each module.

Reg. M7.7.3.2 Qualifying of a student for the second assessment opportunity

A student who fails the first opportunity may qualify for a second opportunity if:

- (a) A student has obtained a final combined mark of at least 45% with a subminimum of at least 30% during the first assessment opportunity.
- (b) A student has obtained a final combined mark of 50% or more during the first assessment opportunity, but not the subminimum of 40% in the components of the specific assessment.
- (c) A student submits a valid medical certificate that is approved, certifying that the student was unable to participate in the first assessment opportunity (special form to be completed by a medical practitioner).

Elucidation:

This medical certificate must be handed in to the Head of the School of Medicine, within 48 hours after the absence due to illness.

- (d) The regulations in the Yearbook for Institutional Rules for obtaining the degree apply, provided that the student:

- (i) Had admission to the assessment opportunity (i.e. had a module mark of at least 40%).
 - (ii) Obtained at least 30% in the outstanding module during the assessment opportunity.
- (e) Except for the stipulations of Regulation in the Yearbook for Institutional Rules, a student with outstanding modules is not permitted to continue with his/her studies.

Reg. M7.8 PASS MARK AND DISTINCTION

- (a) A minimum of 50% for each module is required to pass the final assessment in each module.
- (b) The degree is awarded with distinction if a student obtains an aggregate averaging 75% for all the modules offered over the three years of study.

Reg. M7.9 EXAMINATION RESULTS

A student may discuss an examination paper with a lecturer and the head of the department within five examination days after the results were published on a specific notice board in the Faculty, with a right of immediate appeal to the Dean/Head of the School with notification to the head of the department. (EM 31/07/2006).

The student is requested to make an appointment with the lecturer/module leader.

The lecturer/module leader/head of department checks the examination script for errors and verifies whether the marks have been added correctly and if all the questions have been marked. (No search for marks will be tolerated.)

Should an alteration to the mark be required on account of an adding error or question that had been overlooked, the written details must be submitted to the Deputy Director: Faculty Administration and Head of the School of Medicine.

Revision of the mark, if this is to the student's advantage, may then be effected in consultation with the Head of the School of Medicine and the Dean.

If the student is still not satisfied with the result of the revision of the examination script, the student has the right of immediate appeal to the Dean via the head of the department for a re-marking of the examination script. A written request in this regard must likewise be handed in to the Deputy Director: Faculty Administration within the same five examination days. Should the Head of the School of Medicine/Dean approve it, the head of department will be requested to re-mark the entire examination script.

The result of the re-marking is forwarded to the Deputy Director: Faculty Administration for submission to the Dean/Head of the School of Medicine. If the result of the re-marking is to the student's advantage, the revised mark will be awarded to the student; otherwise the original mark will be upheld.

If, after having followed the above procedure, the student is still dissatisfied with the result, the student has the right of immediate appeal to the Academic Appeals Committee of the Faculty of Health Sciences. A written request in this regard must be submitted to the Deputy Director: Faculty Administration at least five examination days after the result of the re-marking has been announced.

Costs could be involved in the re-marking.