

OP 1/27/15

Faculty of

2000

Medicine

Durban

UNIVERSITY OF NATAL

DURBAN & PIETERMARITZBURG CAMPUSES



T H E P O W E R T O S U C C E E D

FACULTY
OF
MEDICINE

HANDBOOK FOR 2000

ACTING DEAN

Professor J Moodley

MD (Natal) FCOG (SA) FRCOG

DEPUTY REGISTRAR

C N Chaplin

ALAC (SA) AIPM

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Lecturers	Research Professor
Professor	Associated Professor
Deputy Head/Senior Lect	Senior Lecturers
Senior Lecturers	Lecturers
Emeritus Professor	Senior Lecturer
Senior Lecturer	Lecturer
Lecturer	Honorary Lecturer

STAFF OF THE FACULTY OF MEDICINE

Dean	Vacant
Acting Dean	J Moodley <i>MD (Natal) FCOG (SA) FRCOG</i>

ANAESTHETICS

Professor	*D A Roche <i>MB BCh (Wales) FRCP (Edin) FFA (SA)</i>
Research Professor	C C Rout <i>MB BS (London) FFARCS (England)</i>
Associated Professor	A T Bösenberg <i>MB ChB (Cape Town) DA (SA) FFA (SA)</i>
Deputy Head/Senior Lect	R C Burrows <i>BA MB BCh (Dublin) FFA (SA)</i>
Senior Lecturers	C Daniel <i>MB ChB (Cape Town) DA (SA) MMed(Anaes) (Stell)</i> R Williamson <i>BSc(Hons) MB ChB (Bristol) DA FFARCS (England)</i> S Bhagwanjee <i>MB ChB (Natal) DA (SA) FFA (SA)</i>
Lecturers	I J S Osborn <i>MB ChB (Cape Town) MMed (Anaes) (Natal)</i> T E Sommerville <i>BSc(Med) MB ChB (Cape Town) DA (SA) FFA (SA)</i> Y H Mahomed <i>MB ChB (Natal) B Med Sc (Hons) Pharmac (UDW) DARCP&S (Eng) FFARCS (Irel) FRCA (UK)</i>
Honorary Lecturer	M J Michaels <i>MB ChB (Cape Town) FFA (SA)</i>

Honorary Clinical Tutors

M LeR Cloete

MB ChB (Stell) FFA (SA)

J A King

MB ChB (Edinburgh) FFA (SA)

CARDIOTHORACIC SURGERY

Professor

Vacant

Senior Lecturer

*D F Blyth

MB ChB (Cape Town) FRCS (Edinburgh)

Lecturers

N J Buckels

MB BS (London) FRCS (Edinburgh) FRCS (England)

R Madansein

MB ChB (Natal) FCS (SA)

A Reddi

MB ChB (Natal) FCS (SA) FRCS (Edinburgh)

R Sewsunker

MB ChB (Natal) FCS (SA)

Specialist (Sessional Appts)

R Kleinloog

BSc(Hons) MB ChB (Pretoria) FCS (SA)

P S Maharaj

MB ChB (Natal) FCS (SA)

CHEMICAL PATHOLOGY

Professor

Vacant

Emeritus Professor

S M Joubert

MSc (Stell) MB ChB FRCPATH (Edinburgh)

Senior Lecturer

W M Deppe

MScAgric (Natal)

Senior Research Fellow

R J Pegoraro

BScAgric PhD (Natal)

Lecturer

SP J Ojwang

MB ChB (Nairobi) FRCPATH (London)

E J Robertson
MB ChB MD (Wits)

Honorary Lecturer

T Padayachi
MB ChB MD(ChemPath) (Natal)

COMMUNITY HEALTH

Professor

*C C Jinabhai
*BSc (UDW) MB ChB (Cape Town) MMed (Natal)
FFCH (SA) DOH (Wits)*

Senior Lecturers

K Naidoo
MB ChB MMed (CommHealth) (Natal)

Lecturers

D A Blaauw
*MBBCh (Wits) BSc (Wits) DTM&H (Wits) DPH
(Wits) FCPHM (SA)*

Honorary Senior Lecturer

S E Knight
*BSc (Wits) MBChB DPH (Wits) DPH (Ed/Wits)
FFCH (SA)*

Honorary Lecturers

E Gouws
*BSc(Hons) (Potchefstroom) M Sc (cum laude
Biostatistics) (Natal)*

N Naidoo
*MBChB (Natal) DOH (UCT) MPH (Univ of
Michigan) MPH (Occ Med) (Univ of Michigan)*

M S E Colvin
*BSc (UCT) MBChB (UCT) DOH (Wits) MSc EPI
(Columbia University)*

EXPERIMENTAL & CLINICAL PHARMACOLOGY

Professors

*J H Botha
B Pharm PhD (Rhodes)

B Maharaj
MB ChB MD (Natal) FCP (SA)

Senior Lecturer

D M Raidoo
BSc MB ChB

Lecturer

M Combrink

BSc(Pharm) M Med Sci (Pharm)

C S Harries

BSc (Pharm)

Honorary Lecturer

A L Gray

B Pharm MSc (Pharm) (Rhodes)

Honorary Clinical Tutor

R N Nadar

MB ChB FCP (SA)

FAMILY MEDICINE

Servier: Head*

Senior Lecturer/Chief Specialist

M H Cassimjee

*LLM RCP (Ire) LLM RCS (Ire) MPraxMed (Natal)**MFGP (SA) BMedSc (Hon) (Pharm) (UDW)**DHSM (Natal)*

Honorary Senior Clinical Tutor

S Kissoon Singh

B Sc (SA) MBBS (Mysore) MFGP (SA) M Fam Med

Honorary Clinical Tutors

M N Chetty

MB ChB (Natal) MPrax Med (Natal) DOH MPH (USA) DHS&M DTM&H

P N Govender

BA (SA) MB ChB (Natal) MPrax Med (Natal) MFGP (SA)

U Govind

MB ChB (Natal) MFGP MPrax Med DOH DTM&H DHSM

P Jugnundan

BSc MBChB (Natal) MFGP MPrax Med DMCOG (SA)

M E Moola

MB ChB (NUI) LM LRCPI LRCSI (Eire) M Phil Degree (UCT)

M M Motala

MBBS (Bombay)

S S Naidoo

MB ChB (Natal) MFGP (SA) M Fam Med

Y Perumal

MB ChB (Natal) MPrax Med

R S Pillay

MB ChB (Natal) MFGP (SA) M Fam Med

A Suleman

B Sc MB ChB (Natal) MPrax Med

L S Jenkins

MB ChB (Stell) DA (SA) DCOG MPharm Med (Natal)

F Jadwat

MB ChB (Natal) MFGP (SA) M Fam Med

S M H Loot

LLM RCP LLM RCS (Ire) MFGP (SA) DIP PEC (SA) M Fam Med

FACULTY

Honorary Tutor (Cytology)

S M McCallum

Dip.Med Tech (Cyto) CFIAC (USA) HDE (Natal) MMed.Sc

FORENSIC MEDICINE

Professor

***M A Dada**

MB ChB (Natal) MMed (For Path) (Natal) DOM (Stell) MMed (Anat Path) (Stell) DABFE DABFM FRIPHH

Lecturer (Part-Time)

G Perumal

BSc (UDW) MB ChB (Natal) DForMed (SA) MMed (For Path) (Natal)

HAEMATOLOGY

Senior Lecturer

***V B Jogessar**

MB ChB MMed DHSM (Natal) MRCP (UK) MRCPath (London)

D G Kenoyer

MD Amer Board Certified Internal Medicine Haematology

Lecturers

V L Naicker
MB ChB MMed DHSM (Natal) FFPATH (SA)

V P Poovalingam
MB ChB MMed (Natal)

F Bassa
MB ChB FCP(SA)

HUMAN ANATOMY

Professor

*F H Güldner
Dr.med (FU Berlin) MD (Monash) C Biol MI Biol

Associate Professor

G H M Vawda
BSc (UDW) MB ChB (Natal) PhD (Wits)

Lecturers

M G K Gounden
MB ChB (Natal)

E C S Naidu
MB ChB (Natal)

J S Naidu
MB ChB (Natal)

Specialist (Sessional Appts)

I Coll
MB BCh (Wits) FRCS (Edinburgh)

R E Mickel
MB ChB (Wits) FRCS (Edinburgh)

R Reddy
MB ChB (Natal) FCS (Ortho) (SA)

M R Haffajee
MB ChB (Natal) DipPec (SA) FRCS (Edin)

MEDICAL EDUCATION DEVELOPMENT

Associate Professor
(Director)

P J Olmesdahl
*B Sc Med (Witwatersrand) PhD (Natal) PG Dip
Medical Educ (Dundee) PG Dip Tertiary Educ
(Natal)*

MEDICAL MICROBIOLOGY

Professor

*A W Sturm

MB BS MD PhD (Amsterdam)

Senior Lecturers

Y M Coovadia

MB ChB (Cape Town) FFPATH (SA)

A Bhamjee

LRCP&S (Ireland) FRC(Path)

Lecturer

D G Pillay

MBChB (Natal) FRCPath (SA)

P Moodley

MB ChB MMed (Micro) (Natal)

M Nchabeleng

MB ChB MMed (Micro) (Natal)

Honorary Professor

T F J Jackson

BSc(Hons) PhD (Natal)

Honorary Lecturer

D Wilkinson

*BSc (Hons) MB ChB Dip PEC DCH DTMH MSc
(Epidemiology)*

MEDICINE

Professors

*U G Lalloo

*MB ChB MD (Natal) FCP(SA) DOH
(Witwatersrand) FCCP*

Deputy Head

A A Motala

MB ChB MD (Natal) FRCP (London)

(Aaron Beare Family Chair of Rheumatology)

G M Mody

*MB ChB (Natal) MD (Cape Town) FCP (SA) FRCP
(London)*

(Infectious Diseases)

V Gathiram

MB ChB MD (Natal) FCP (SA)

Emeritus Professor

Y K Seedat

OMSS MD (NU Irel) Hon PhD(MedSc) (UDW)

FRSSAF FRCP (London) FRCP (Irel) FACP FCP (SA) FACC FCCP FICA FICN Fellow of University of Natal

E B Adams

BSc (SA) BSc (Oxon) MD (Witwatersrand) Hon MD (Natal) FRCP (London)

D J Pudifin

MB ChB (Cape Town) FRCP (London) FCP (SA)

Associate Professor

A E Simjee

MB ChB (Natal) FRCP ((UK) MRCP ((UK) MACG (USA)

Senior Lecturers

B Cassim

MB ChB (Natal) FCP (SA)

S Naicker

MB ChB (Natal) FRCP (London)

D P Naidoo

MB ChB (Natal) FCP (SA) MRCP (UK) DCH (SA) FRCP (London)

I P Naiker

MB ChB (Cape Town) FRCP (London)

M C Rajput

MB ChB (Natal) FCP (SA) MRCP (UK)

Lecturers

E M Irusen

MB ChB (Natal) FCP (SA)

S Jutta

MB ChB (Natal) FCP (SA)

M C Kamdar

MB BS (Nagpur) FCP (SA)

N Madala

MB ChB (Natal) FCP (SA)

M Y S Moosa

MB ChB (Natal) FCP (SA)

KRH Msulwa

MD (Rom) DTH&H (Liverpool) FCP (SA)

K Nyamande

MB ChB (Zim) FCP (SA)

F J Pirie

MB ChB (Cape Town) FCP (SA)

R Mulchandani

MB BS (Jaipur) FCP (SA)

YP Moodley

MB ChB (Natal) FCP (SA)

EP Musoke

MB ChB (Uganda) FCP (SA)

YM Garach

MB ChB (Natal) FCP (SA)

N Ghila

MB ChB (Natal) FCP (SA)

N Patel

MB ChB (Natal) FCP (SA)

M Ntambazi

MB ChB (Uganda) FCP (SA)

Specialist (Sessional Appts)

R L Bhoola

MB BCh (NU Irel) MRCP (UK)

T Moodley

MB ChB (Natal) FCP (SA)

K B Parag

MB ChB (Natal) FCP (SA)

P L Patel

MB ChB (Natal) FRCP (London) FCP (SA)

A Amod

MB ChB (Natal) FCP (SA)

A S Ramdass

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M S Abdool

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MB ChB (Natal) FCP (SA)

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MB ChB (Natal) FCP (SA) MRCP (UK)

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MB ChB (Natal) FCP (SA)

R A Pillay

MB ChB (Natal) FCP (SA)

I G H Randeree

MB ChB (Cape Town) FCP (SA)

H A Randeree

MB ChB (Natal) FCP (SA)

H Staub

MBChB (Birm) FCP (SA) (Neur)

N Shah

MB ChB (Natal) FCP (SA) (Neurology)

R N Nadar

MB ChB (Natal) FCP (SA)

R Moodley

MB ChB (Natal) FCP (SA)

Honorary Associate Professor

M A K Omar

*MB ChB (Natal) FCP (SA) MRCP (UK) MD (Natal)
FRCP (London)*

Honorary Research Associate Professor

F G H Mayet

BA (Rand) MB ChB (Natal) MD (Natal)

Honorary Clinical Tutors

F J Muller

MB ChB (Cape Town) FRCP (Canada)

O Aboo

MB ChB (Natal) FCP (SA)

B L Thembela

MB ChB (Natal) FCP (SA)

Sub-Department of Cardiology

Professor

***A S Mitha**
FRCP (London) FRCP (Irel)

Lecturers

E Losman
MB ChB (Cape Town) FCP(Paed) (SA)

S Khan
MB ChB (Natal) FCP (SA)

T M Mathivha
MB ChB (Natal) FCP (SA)

A Z M S Haque
MB BS (Chittagong) DCH (Ireland) FCP(Paed) (SA)

Specialist (Sessional Appts)

T Moodley
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S Vythilingum
MB ChB (Natal) MRCP (UK)

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MB ChB (Cape Town) FCP(Paed) (SA)

T S Pillay
MB ChB (Cape Town) FCP(Paed) (SA)

M H A Hassim
MB ChB (Natal) FCP (SA)

J Jeeva Patel
MB ChB (Wits) FCP (SA) FACC

Sub-Department of Dermatology

Associate Professor

***J Aboobaker**
MB ChB (Natal) FFDerm (SA)

Lecturer

D K Naidoo
BSc(Hons) (UDW) MB ChB (Natal) FFDerm (SA)

C N Dlova
MB ChB (Natal) FFDerm (SA)

Specialist (Sessional Appt)

Z Hamed
MB BS (Bombay) FFDerm (SA)

N Raboobee

MB ChB (Natal) FFDerm (SA)

Sub-Department of Neurology

Professors

***P L A Bill**

MB BCh (Witwatersrand) FRCP (London) FCP (SA)

A I Bhigjee

MB ChB (Natal) Mmed (Neur) (Cape Town) FCP (SA) FRCP (UK) MD (Natal)

Honorary Senior Clinical Tutor

B Bhagwan

MB ChB (Natal) FCP (SA) FCP (SA) (Neurology) MRCP (UK)

Honorary Lecturers

M Hoffman

MB BCh (Witwatersrand) FCP (SA) (Neurology) MD (Natal)

Dr V Patel

MBChB (Natal) FCP (SA) (Med) FCP (SA) Neurology MBC (UDW)

MOLECULAR BIOLOGY RESEARCH FACILITY

Lecturer (Manager)

R Naidoo

*BSc (Hons) (Biochemistry) (UDW)
M Med Sci (Natal) PhD (Natal)*

Lecturer

P Kiepiela

B Sc (Agric) (UNP) M Sc (Natal) PhD (Natal)

NEUROSURGERY

Professor

Vacant

Senior Lecturer

Vacant

Lecturer

§N Nathoo

MB ChB (Natal) FCS (SA)

Specialist (Sessional Appts)

M du Trevou

MB ChB (Pretoria) FCS (SA) M Med (NS)(Natal)

G A G Fuller

MB ChB (Cape Town) FRCS (England)

J Golek

DipMed (Wroclaw Poland) MMed(NS) (Natal)

N Govender

MB ChB (Natal) FCS(NS) (SA)

P A J le Roux

MB ChB (Cape Town) FCS (SA)

R van der Merwe

MB ChB (Bloem) FCS (SA)

K Naidoo

MB ChB (Natal) FCS (SA)

S S Nadvi

MB ChB (Natal) FCS (SA)

P M Roux

MB ChB(Bloem) FCS(SA)

OBSTETRICS AND GYNAECOLOGY

Professors

*J Moodley

MD (Natal) FCOG (SA) FRCOG

Emeritus Professor

S M Ross

MB BS (London) DTM&H (Liverpool) FRCOG

Honorary Professor

R W Green-Thompson

MB ChB (Natal) Dip COG (SA) FCOG (SA) FRCOG

Senior Lecturers

JS Bagratee

MB ChB (Natal) FCOG (SA) MRCOG

S B Pitsoe

MB ChB (Natal) FCOG (SA)

Lecturers

B G Perumal

MBBS (Mangalore) FCOG (SA)

L Govender

MB ChB (Natal) FCOG (SA)

F Paruk

MBChB (Natal) FCOG (SA)

G Mantel

MB ChB (Wits) FCOG (SA)

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M Moodley

MB ChB (Natal) FCOG (SA)

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MD (Poland) FCOG (SA)

Specialist (Sessional Appts)

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MB ChB (Cape Town) DPhil FRCS FRCOG

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MB ChB (Natal) FCOG (SA) MRCOG

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MB ChB (Natal) FCOG (SA)

A Chetty

LLM RCS RCP MRCOG

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MB ChB (Natal) FRCOG (SA) MRCOG

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MB ChB (Natal) FCOG (SA)

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K T Subrayen

MB ChB (Natal) FCOG (SA) MRCOG

RHD Moodley

MBBS (Delhi) FCOG (SA)

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MB ChB (Natal) FCOG (SA) MRCOG

M D S Zungu

MB ChB (Natal) FCOG (SA)

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MB ChB (Natal) FCOG (SA)

D Sankar

MB ChB (Natal) FCOG (SA) MRCOG

S C Moodley

MB ChB (Natal) FCOG (SA)

Honorary Senior Clinical Tutor

D K Quinlan

Dip O&G (Rand) FCOG (SA) FRCOG

Honorary Clinical Tutors

S J Raymond

*MB ChB Dip Obstetrics (Auckland) MRCOG
(London) FRNZCOG FRCOG*

B J Manning

MB ChB FCOG (SA)

OPHTHALMOLOGY

Professor

*A L Peters

MB ChB (Cape Town) MMed (Ophth) (Natal)

Deputy Head

Y Jhavar

LRCP LRCSI DO (London) FRCS (Ireland)

Lecturers

L Visser

*MB ChB (Pretoria) MMed (Ophth) (Natal) FCS
(Ophth)(SA)*

Honorary Clinical Tutors

P Blignaut

MB ChB (Cape Town) DA FCS (Ophth)(SA)

C D Cook

*MB ChB (Cape Town) FCS (Ophth) (SA)
FRCOphth (UK)*

OPTICS AND IMAGING CENTRE

Lecturer (Manager)

T Naicker

BSc (UDW) M Med Sci (Natal) Tech RMS (UK)

ORTHOPAEDIC SURGERY

Professor

*S Govender

MB BS (Bombay) FRCS (Glasgow)

Senior Lecturers

I E Goga

*LLM RCS LLM RCP (Dublin) FRCS (Edinburgh)
FCS(Orth) (SA)*

P R Chotai

*MB ChB (Cape Town) FRCS (Glasgow) FRCS
(Orth) (Glasgow)*

M N Rasool

BSc (UDW) MB ChB (Natal) FCS(Orth) (SA)

Lecturers

M E Senoge

MB ChB (Natal) FCS (Orth) (SA)

G A Seyisi

*BSc (Hons)(Fort Hare) UED (Fort Hare) MB ChB
(Natal) FCS (Orth) (SA)*

K P S Kumar

MBBS (Kerala) FCS (Orth) (SA)

K Naik

MBChB (Zim) FCS (Orth) (SA)

N Muhammad

MBBS (Punjab) FCS (Orth) (SA)

M Aslam

MBBS (Punjab) FCS (Orth) (SA)

Specialist (Sessional Appts)

J N Bear

MBBCh (Rand) FRCS (Edin)

A A Osman

MBChB (Natal) FCS (Ortho) (SA)

S A Osman

LRCP SI MBBCh (NU Ireland) FCS (Ortho) (SA)

V Ganpath
MBChB (Natal) FRCS (Glas)

A A Garach
MBBS (Bombay) FCS (Ortho) (SA)

B B Garach
MB ChB (Natal) FCS (Orth) (SA)

A de Vlieg
MB ChB (Witwatersrand) FCS (SA)

A H Parbhoo
MB ChB (Natal) FCS (Orth) (SA)

OTORHINOLARYNGOLOGY

Professor ***B Singh**
BSc (UDW) MBChB MMed (Otol)(Natal)

Senior Lecturers Vacant

Lecturer A Padayachee
MB ChB (Natal) MMed (Otol) (Natal)

Specialist (Sessional Appts) D S Hogg
*MB BCH (Witwatersrand) DLO RCP (London)
RCS (England)*

D Maharaj
MB BS (Bombay) MMed (Otol) (Natal)

D H Peer
*LRCP SIDLO RCS RCP(London) FRCS
(Edinburgh) FCS(Otol) (SA)*

P Warren
MB BCH (RAU) MFGP (SA) MMed (RAU) FCS (SA)

B H C Williams
MB ChB (Cape Town) MMedOtol (Natal) FCS (SA)

PAEDIATRIC SURGERY

Professor ***G P Hadley**
MB BCH (St Andrews) FRCS (Edinburgh)

Emeritus Professor

R E Mickel

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Senior Lecturer

R Wiersma

BSc(Zoology) (Natal) MB ChB (Rhodesia) FRCS (Glasgow) Specialist (Sessional Appts) D Mji MB ChB (Natal) FCS (SA)

N C Campbell

MB ChB (Pretoria) FCS (SA)

PAEDIATRICS AND CHILD HEALTH

Professor

*H M Coovadia

MB BS (Bombay) FCP(Paed) (SA) MSc(Imm) (Birm) MD (Natal) Fellow of Univ. of Natal DSc (Hon)(Stella & Paul Lowenstein
Professor of Maternal
and Child Health)

G C Solarsh

MBBCh (Witwatersrand) DCH FCP (Paed) (SA)

Emeritus Professor

W E K Loening

MB ChB (Cape Town) FCP(Paed) (SA)

Professor/Deputy Head

M Adhikari

MB ChB (Cape Town) FCP(Paed) (SA) MD (Natal)

Senior Lecturers

R Bhimma

MB ChB (Natal) DCH FCP(Paed) (SA) M Med

R A Bobat

MB ChB (Natal) FCP(Paed) (SA) MD

P Jeena

MB ChB (Natal) FCP(Paed) (SA)

H R Mackanjee

MB ChB (Natal) FCP (Natal) FRCP (Paed) (Canada)

K Pillay

MB ChB (Natal) DCH FCP (Paed) (SA)

Lecturers

S Thula

MB ChB (Medunsa) FCP (Paed) (SA)

R Thejpal*MB ChB (Natal) FCP(Paed) (SA)***T Pillay***MB ChB (Natal) FCP(Paed) (SA)***M Vaithilingum***MB ChB (Natal) FCP(Paed) (SA)***N Walker***MB BCh (Wits) FCP(Paed) (SA)***L Mubaiwa***MB ChB (Zimb) FCP(Paed)(SA)***G Ducasse***MB ChB FCP(Paed)(SA)***A Coutsooudis***BSc (Hons); HED; PhD***Specialist (Sessional Appts)****L Henderson***MB ChB (Pret) FCP(Paed) (SA)***M K R Mackenjee***MB ChB (Natal) FCP(Paed) (SA)***YDJ Kara***MB ChB (Natal) FCP(Paed) (SA)***H Jeena***MB ChB (Natal) DCH FCP(Paed) (SA)***J N Narsai***MB ChB (Natal) FCP(Paed)***T S Pillay***MB ChB (Cape Town) FCP(Paed) (SA)***Honorary Lecturers****K Chinniah***MB ChB Natal FCP (Paeds)(SA)***W S Winship***MB ChB M Med (Paeds)***PATHOLOGY****Professor*****R Chetty***MB BCh (NUI) BaO LRCP FFPPath (SA) FRCPA
FFPath (Ireland) D Phil (Oxon)
FRCPPath (London)*

Senior Lecturer

D Govender

*MB ChB (Natal) FFPATH (SA) MRCPATH (London)
MMed (Natal)*

V Chrystal

*MB BCH (Witwatersrand) BA (Unisa) FFPATH
(SA) FRCPath (London)*

Lecturers

K N Rughubar

MB ChB (Natal) FFPATH (SA)

P K Ramdial

MB ChB (Natal) FFPATH (SA)

P Naidoo

MB BCH (Witwatersrand) PCPATH (SA)

Honorary Tutors

A D Naran

MB ChB (Natal) FFPATH (SA) MRCPATH (London)

S V Pillay

MB ChB (Natal) FFPATH (SA) MRCPATH (London)

PHYSIOLOGY

Professor

*M F Dutton

BSc (Tech) ARCTS PhD (Salford)

Physiology

Associate Professor/Deputy Head

M Mars

MB ChB (Cape Town)

Senior Lecturer

Lecturers

S G Naidu

MSc PhD (Wits)

M A Tufts

BSc (Hons) MSc (Stell)

S B Higgins-Opitz

BSc (Hons) (Cape Town) PhD (Natal)

E M Futre

BA (Hons) STD (Stell) MSc Med (Cape Town)

L MCCLUSKY

MSc (UWC)

Biochemistry**Senior Lecturer****A A Chuturgoon***BSc(Hons) MSc (Natal)***Lecturers****N Gqaleni***BSc(Hons) MSc (Natal) PhD (Strathclyde)***Histology****Senior Lecturer****M McLean***BSc(Hons) PhD (Natal)***Lecturer****A Marszalek***MB BS (Poland)***PSYCHIATRY****Professor****Vacant****Emeritus Professor****W H Wessels***MB ChB (Pret) DPM (Witwatersrand) DM(UOVS)***Honorary Associate Professor****ŞA J Lasich***MB BCh DPM (Witwatersrand) FFPsych (SA)***Senior Lecturers****J A Dunn***MSc MB BCh MMed(Path) (Witwatersrand)**MMed(Psych) (Natal) MIBiol (London) FFPsych (SA)***M G Nair***MB ChB MMed (Phys) (Natal) FFPsync (SA)***Lecturers****A A Diedricks***MB ChB (Natal) FCPsych (SA)***M K Dobрева***MD (Pleven, Bulgaria) FCPsych (SA)***O F I Habib***MB ChB MMed (Psych) (Natal)***F J Lichtigfeld***BSc (Med) MB BCh (Wits) FFPsych (SA)***S Ramlall***MB ChB (Natal) FCPsych (SA)***N V Raymond***MB ChB (Zimbabwe) M Med (Psych) (Natal)*

- Honorary Tutor**
S Saloojee
MB ChB (Natal) FCPsych (SA)
- Honorary Senior Lecturer**
F A Randeree
MB ChB (Natal) MRC Psych
- Honorary Clinical Tutors**
M J Ndlovu
MB ChB MMed (Psych) (SA)
I Moola
MB ChB (Natal) FFPsych (SA) FRCP (C)
DipChildPsych (Toronto)

Sub-Department of Medically Applied Psychology

- Professor**
***L Schlebusch**
BA(Hons) (Unisa) MA(Clin Psych)
MMedSc(Psych) PhD (Natal) NTD (DCT) Dip
BehavMed (IABMCP) C Psychol (UK)
- Associate Professors**
B J Pillay
BA(Hons) MA(Clin Psych) (UDW) PhD(Med)
(Natal) DHSM (Natal)
A L Pillay
BA(Hons) MA(Clin Psych) (UDW) MSc (Maternal
& Child Health) (Harvard) PhD (Natal)
- Lecturers (Full-time)**
B A Bosch
BSocSc(Hons) MSocSc(Clin Psych) (Natal)
N Elder
BA(Hons) MA(Clin Psych)(Natal)
A J Hare
BSocSc (Hons) MSocSc (Clin Psych) (Natal)
H M Haynes
BA(Hons) MA (Clin Psych)(Natal)
V Jithoo
BA(Hons) MA (Clin Psych)(UDW) MA HRM
(Stellenbosch)
D Mansfield
BA (Hons) MA (Clin Psych) (Natal)
A S McDonald
BA (Hons) MA (Clin Psych) (UDW)

S Naidoo*B A (Hons) M A (Clin Psych) PhD (Fort Hare)***M N Ngcobo***B Soc Sc (Hons) (Natal) M A (Clin Psych) (UPE)***S B Noor Mahomed***BA(Hons) MA(Clin Psych) (UDW)***C Sargent***BSc(Hons) MSc (Clin Psych)(Natal)***C Selmer***BA (Hons) MA (Clin Psych) (UDW)***S E Schoubben-Hesk***BA (Hons) (UDW) MA (Clin Psych) (Zululand)***N Singh***BSocSc (Natal) BA (Hons) MA (Clin Psych) (UDW)***B N Stobie***BA (Hons) MA (Clin Psych) (Natal)***J D Thwala***BA (Hons) MA (Clin Psych) (Natal)***N B M Vawda***BA(Hons) MA(Clin Psych) (UDW)***K York***BA(Hons) MA (Clin Psych) (Bombay, India)***One vacancy****Lecturers (Part-time)****S J Anderson***B A (Hons) M A (Clin Psych) (Natal) PhD (Natal)***T A B Barry***B A (Hons) M A (Clin Psych) (Natal)***C Willows***B A (Hons) M A (Clin Psych) (Natal)***Honorary Lecturers****R H Farman***B Phil MED (Birmingham) ACP (London) Cand Phil (Washington) AFBPsS***Honorary Senior Tutor****A S Vanker***BA (Hons) MA (Clin Psych) (UDW) PhD (Natal)*

Honorary Tutor

C J M Kleynhans
BA (SW) (Hons) (UP) B Com (Hons) (UNISA)
B Com (Hons) (Ind Psychol) (UNISA)

Sessional Appointments

F Daniels-Clark
BA (Hons) MA (Clin Psych) (Natal)
T B Broll
BA (Hons) MA (Clin Psych) (Natal)

RADIOLOGY

Professor

*P D Corr
MB ChB (Zimbabwe) LRCP (Edinburgh) LRCS (Glasgow) FFRad (D) (SA) MMed (RadD) FRCR (UK) FHKAM (Hong Kong)

Senior Lecturer

A R Gosling
MB BCh (Witwatersrand) DMRD RCP (London) RCS (England)

Lecturers

J Maharajh
MB ChB MMed (Natal) FFRad(D) (SA)
D L Rubin
MB BCh (Wits) DMRD RCP (London) RCS (England)
I J Movson
MB ChB (Pret) DMRD (London)
A M Ndlovu
MB ChB (Natal) FFRad(D) (SA)
F Vawda
MB ChB (Natal) FCRad(D)(SA)
H Campbell
MB ChB (Cape Town) FFRad(D)(SA)
A Y Moosa
MB ChB (Natal) FCRad(D)(SA)
S T Lalloo
MB ChB (Natal) FCRad (D) (SA)
H T Naidoo
MB ChB (Natal) FCRad (D) (SA)
H I Lakhi
MB BCh (N U Ire) FCRad (D) (SA)

RADIOTHERAPY AND ONCOLOGY

Professor

*J P Jordaen

MB ChB MMed (Stell) FFRT (SA)

Lecturer

C G Hartopeanu

FC Rad Onc (SA)

Division of Surgery

GENERAL SURGERY

Professors

*A A Haffeejee

MB ChB (Natal) FRCS (Edinburgh)

J V Robbs

MB ChB ChM (Cape Town) FRCS (Edinburgh)

FRCPs (Glas) Fellow University of Natal

Emeritus Professor

L W Baker

MB BCH (Wits) MSc (McGill) FRCS (Edinburgh)

FRCS (England) Associate

Professor

S R Thomson

MB ChB ChM (Aberdeen) FRCS (England)

T E Madiba

MB ChB (Natal) MMed (Chir)(Natal) FCS (SA)

D J J Muckart

MB ChB (Dundee) FRCS (Glasgow) MMed Sci (Natal)

Senior Lecturers

B Singh

MB ChB (Natal) FCS (SA)

Lecturers

S H Bhaila

MB ChB (Natal) FRCS (Glasgow)

R R Chetty

MB ChB (Natal) FCS (SA)

Y Desai

MB BS (Bombay) FRCS (Edinburgh)

B Govender

MB ChB (Natal) FCS (SA)

J Moodley

MB ChB (Natal) FCS (SA)

N G Naidoo

MB ChB (Natal) FCS (SA)

M L Naidoo

MB ChB (Natal) FCS (SA)

U K Naidoo

MB ChB (Natal) FCS (SA)

R Nair

MB ChB (Natal) FCS (SA)

E Royeppen

MB ChB (Natal) FCS (SA)

A S Shaik

MB ChB (Natal) FCS (SA)

V M Wilson

MB ChB (Natal) FCS (SA)

J D Woolgar

MB ChB (Leeds) FCS (SA)

Specialist (Sessional Appts)

K M Chetty

MB ChB (Natal) FCS (SA)

I Coll

MB ChB (Witwatersrand) FRCS (England) FRCS (Edinburgh)

A D Goga

MB ChB (Natal) FCS (SA)

R C Haribhai

MB ChB (Natal) FCS (SA)

R R Human

MB ChB (Cape Town) FRCS (Edinburgh)

A G Naidu

MBBS (Agra, India) FCS (SA)

G D Phillips

MB Bch (Witwatersrand) FCS (SA)

P Rajaruthnam

MB ChB (Natal) FCS (Edinburgh)

E J Sanders

MB ChB (Cape Town)

I Sardiwalla

MB ChB (Natal) FRCS (Glasgow)

K S Satyapal

LRCP LRCS LM (Ireland) MD (Natal) FRCP (Ireland)

N Sewkuran

MBBS (Bangalore) FCS (SA)

A R Sham

MB ChB (Natal) FCS (SA)

R Venniker

MB ChB (Pretoria) FRCS (Edinburgh) FRCS (Glasgow)

Honorary Senior Clinical Tutor

V Govind

MB ChB (Natal) FRCS (England)

Honorary Clinical Tutor

B T Little

MB ChB (Birmingham) FCS (SA)

H Docrat

MB ChB (Natal) FCS (SA)

I Thirsk

*MBBS (Newcastle on Tyne) FRCS (Edin)
FCS (SA)*

A J Wright

BDS FDS D Orth (RCS)

PLASTIC AND RECONSTRUCTIVE SURGERY

Professor

***A Madaree**

MB ChB MMed (Natal) FCS (SA)

Lecturer

M Daya

MB ChB FCS (SA)

Specialist (Sessional Appts)

E J Bowen-Jones

*MB BS (London) FRCS (England) DLO
DObstRCOG*

W M M Morris

MB ChB (Cape Town) FRCS (Edinburgh)

J H Youngleson

MB ChB (Cape Town) FRCS (England) FRCS (Edinburgh)

W de Villiers

MB ChB (Cape Town) FRCS (Edinburgh)

A Lalbahadur

MB BS (Bombay) FRCS (Edinburgh)

G Zinn

MB ChB (Wits) FRCS (Edinburgh) FCS (SA)

K Cronwright

MB ChB (Cape Town) FCS(SA)

L Dumas

MB ChB M Med (Bloemfontein)

UROLOGY

Professor

***Z B Bereczky**

MB ChB MMed (Surg) MMed (Urol) (Cologne)

Emeritus Professor

W W Marszalek

MB ChB (Wroclaw) MD (Poland)

Lecturer

T Fourie

MB ChB MMed (Urol) (Stellenbosch)

Specialist (Sessional Appts)

N C Hargovan

MA MB ChB BAO (Dublin) FRCS (Edinburgh)

AM Grizic

MB ChB (Birm) FRCS (Edinburgh) FCS (Urol) SA

Honorary Clinical Tutor

A Krysiuk

MD PhD (Poland)

VIROLOGY

Professor

***A N Smith**

MB BCh (Witwatersrand) MMed (MicroBiol) MSc (Surrey) DTM&H DOH DPH (Witwatersrand)

Senior Lecturer/Deputy Head

D F York

BSc BSc(Hons) MSc(Biochem) PhD (Natal)

* Denotes Head of Department

§ Denotes Acting Head of Department

INFORMATION FOR STUDENTS

The following degrees and diplomas are offered:

- | | |
|--|--------------------------------|
| (a) Bachelor of Medicine and Bachelor of Surgery
Basic medical degree. | MBChB |
| (b) Bachelor of Medical Science (Honours)
A higher level for those interested in research or laboratory-based service. | BMedSc Hons |
| (c) Bachelor of Medical Science (Honours)
Medical Microbiology | BMedSc Hons (Med Micro) |
| (d) Master of Medical Science
A higher degree, by course work or dissertation for those with and without a medical qualification, interested in aspects of research related to the field of medicine. | MMedSc |
| (e) Master of Medical Science
(Medical Microbiology) | MMedSc(Med Micro) |
| (f) Master of Medical Science (Sports Medicine) | MMedSc(Sports Med) |
| (g) Master of Medicine
For specialists in training. Registerable as a specialist qualification with the Health Professions Council. | MMed |
| (h) Master of Clinical Pharmacology* | MClinPharm |
| (i) Master of Family Medicine
A registerable additional medical qualification for a family Practitioner. | MFamMed |
| (j) Master of Medicine (Public Health Medicine) | MMed(PHM) |
| (k) Master of Public Health | MPH |
| (l) Doctor of Medicine
For qualified Medical doctors - this is a doctoral degree by thesis in clinical medicine. | MD |
| (m) Doctor of Philosophy
For qualified medical doctors and those who have a Masters degree in a related field who wish to pursue basic research in medical sciences. | PhD |
| (n) Advanced Postgraduate Certificate in Clinical Pharmacology | AdvCertClinPharm |
| (o) Advanced Postgraduate Certificate in Sports Science | AdvCertSportsSc |
| (p) Advanced Postgraduate Certificate in Sports Medicine | AdvCertSportsMed |
| (q) Postgraduate Diploma in Diagnostic Ultrasound | DDU |
| (r) Postgraduate Diploma in Health Services Management* | DHSM |
| (s) Postgraduate Diploma in Maternal and Child Health | DMCH |
| (t) Postgraduate Diploma in Occupational Health | DOH |
| (u) Postgraduate Diploma in Public Health | DPH |
| (v) Advanced Postgraduate Diploma in Sports Medicine | DSM |

*Available to medical and non-medical suitably qualified persons.

1. The Degree of MBChB

The University of Natal at present offers a six-year course leading to the registerable basic medical qualification, the degrees of MBChB (Bachelor of Medicine and Bachelor of Surgery). The two degrees must be taken concurrently. Subject to the Rules, an outline of the present course is as follows:

1st YEAR:

Biology, Chemistry, Physics, Community Health, Anatomy 1, Physiology 1, Skills and Concepts for Medical Studies, Emergency Care Practitioner (Basic) Course.

2nd YEAR:

Anatomy, Physiology, Behavioural and Social Science.

3rd YEAR:

Microbiology, Pharmacology, Anatomical Pathology, Behavioural and Social Science, Introduction to Clinical Methods.

4th YEAR:

Medicine, Surgery, Obstetrics & Gynaecology, Community Health, Psychiatry, Chemical Pathology, Forensic Medicine.

5th YEAR:

Medicine, Medical Law and Ethics, Surgery, Obstetrics and Gynaecology, Paediatrics and Psychiatry

6th YEAR:

Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry and Family Medicine.

The course is planned to ensure the highest possible standard of training. It follows the minimum requirements laid down by the Health Professions Council of South Africa for the degrees of MBChB. After meeting the requirements as prescribed by the Health Professions Council of South Africa MBChB graduates of the University of Natal, at present, will be entitled to registration as medical practitioners in terms of the Medical, Dental and Supplementary Health Service Professions Act 1974 (Act 56 of 1974).

2. Entrance Qualifications

Subject to the detailed provisions of the Rules, there is a **single point of entry** to the MBChB course:

First Year:

For candidates who have matriculated or obtained matriculation exemption at a sufficiently high standard as defined by the Rules or for students who have shown success or potential

for success at tertiary education in any field. Importantly, in addition, students are evaluated by additional factors as prescribed by the Board of the Faculty and which are constantly under review e.g. at present a personal report, a confidential assessment and an interview.

3. Selection of Students

There are many more qualified applicants than there are places available. Failure to comply with any of the following requirements will result in applications not being considered.

- (i) **Instructions:** Detailed instructions and application forms are sent separately on request to applicants. The instructions and details must be honestly, promptly and exactly carried out.
- (ii) **Closing Dates for Applications for Admission:**
30 June of the year before that for which admission is sought.
- (iii) **Certificates:**

Certified copies of matriculation or degree certificates and any transcripts of university records should be submitted with applications; but students about to write matriculation or degree examinations should not wait for results before applying.

4. Fees

- (a) Minimum initial payment must be submitted on or before registration for each year of study.
- (b) Final full payment must be made before 30 June*.

Note:

Students who have not paid the required minimum initial payment of Academic and Residence Fees or produced evidence of receipt of a bursary/ scholarship/loan, will be excluded from attending lectures at the University until satisfactory arrangements have been made regarding the payment of their accounts. Students who have not paid their accounts in full by 30 June will be excluded from attending future lectures and debarred from writing examinations unless satisfactory arrangements have been made with the Finance Section. Residence students will similarly be excluded from residence if accounts are not paid by the 30 June*. Students who are still in arrears at the end of the academic year will have their examination results, degrees or diplomas withheld.*

** A date fixed by the University.*

A schedule of applicable fees is supplied separately.

5. Bursaries, Scholarships and Loans

Apply for assistance and information to:

Financial Aid Officer, Faculty of Medicine, Private Bag 7, Congella, 4013 or personally at Mpala House, Glastonbury Place.

Closing date: 30 June.

6. Prizes

(1) For final-year medical students:

- (i) Faculty of Medicine Prize
- (ii) Adcock Ingram Prize
- (iii) Enid and Gordon Jacob Memorial Prize
- (iv) Arthur Goldsmith Memorial Prize
- (v) E B Adams Prize in Medicine
- (vi) K M Seedat Prize in Medicine
- (vii) Sammy Sacks Prize in Obstetrics & Gynaecology
- (viii) Alan B Taylor Prize in Obstetrics & Gynaecology
- (ix) Donald Luswazi Prize in Orthopaedics
- (x) Orthopaedic Association Prize
- (xi) Smith & Nephew Prize in Orthopaedics
- (xii) A E Kolia Prize in Paediatrics
- (xiii) Nestlé Prize in Paediatrics
- (xiv) R W S Cheetham Senior Memorial Prize in Psychiatry
- (xv) Society of Psychiatrists of South Africa Medal
- (xvi) George and Margaret Chapman Memorial Prize in Surgery
- (xvii) Department of Surgery Prize

(2) For fifth-year medical students:

- (i) Bayer Prize in Surgery
- (ii) Sanlam Prize
- (iii) R C Shepherd Memorial Prize in Psychiatry
- (iv) South African Society of Anaesthetists Medal

(3) For fourth-year medical students:

- (i) Drs N L Pillay, W F Mackintosh & Ptnrs Chemical Pathology Prize

(4) For third-year medical students:

- (i) E E Rosenberg Memorial Prize
- (ii) Adcock Ingram Prize in Pharmacology
- (iii) Notcutt Prize. Book for best results in Behavioural and Social Science
- (iv) Poliomyelitis Research Foundation Prize in Virology
- (v) MSD Achievement Award in Microbiology
- (vi) J Wainwright Memorial Prize in Anatomical Pathology

(5) For second-year medical students:

- (i) Anatomy and Physiology Prize
- (ii) Joosub H S Ebrahim Memorial Prize in Biochemistry

(6) For first-year medical students

- (i) H S Ebrahim Memorial Prize

7. Teaching Centres

The First-year courses are given on both the Howard College and Medical School Campuses. The Second to the Sixth Year courses are given in the Medical Faculty Building in Umbilo Road, in the King Edward VIII Teaching Hospital, Durban, and at various other sites in and around Durban including various other hospitals and clinics which together form the academic health complex for the Kwa-Zulu Natal region.

8. Residence

The University residences, situated on the main Durban campus, are approximately 3 kilometres from the Medical School. The St. Hillier residence is situated approximately half a kilometre from the Medical School. A municipal bus service provides easy access to both the City and the School.

The residence fee does not cover vacation periods. Students may be permitted to remain in residence during the short vacations at a set daily rate. Normally the residences are closed during the long vacations, but in special cases the Warden may give permission for a student to remain in residence at the daily rate.

9. Libraries

The main Medical Library is housed in the Medical Faculty Building, 719 Umbilo Road, Durban. Registered students of the University have access to the other sections of the Library in Pietermaritzburg and, in Durban, at Howard College.

10. Sessional Dates: 2000

FIRST YEAR

Entry to residence	Sunday 06 February
Preliminary Registration & Opening Ceremony	Monday 07 February
Registration	Tuesday 08 February
Lectures start	Monday 14 February
FIRST SEMESTER	Monday 14 February - Thursday 20 April
	Tuesday 2 May - Friday 16 June
SECOND SEMESTER	Monday 07 August - Friday 01 December

SECOND YEAR

Entry to residence	Tuesday 18 January
Registration	Wednesday 19 January
Lectures start	Thursday 20 January

FIRST SEMESTER

Thursday 20 January -
 Thursday 20 April
 Tuesday 02 May- Friday 30 June

SECOND SEMESTER

Monday 24 July -
 Friday 01 December

THIRD YEAR

Entry to residence

Tuesday 18 January

Registration

Wednesday 19 January

Lectures start

Thursday 20 January

FIRST SEMESTER

Thursday 20 January -
 Thursday 20 April

SECOND SEMESTER

Tuesday 02 May- Friday 30 June
 Monday 24 July -
 Friday 01 December

FOURTH YEAR

Entry to residence

Monday 17 January

Registration

Tuesday 18 January

Lectures start

Wednesday 19 January

FIRST SEMESTER

Wednesday 19 January -
 Friday 30 June

SECOND SEMESTER

Monday 24 July -
 Friday 01 December

END OF BLOCKS

Friday 13 October

FIFTH YEAR

Entry to residence

Monday 17 January

Registration

Tuesday 18 January

Lectures start

Wednesday 19 January

FIRST SEMESTER

Wednesday 19 January -
 Friday 30 June

SECOND SEMESTER

Monday 17 July -
 Friday 01 December

END OF BLOCKS

Friday 6 October

SIXTH YEAR

Entry to residence

Sunday 16 January

Registration

Monday 17 January

Lectures start

Tuesday 18 January

FIRST SEMESTER

Tuesday 18 January -

Friday 30 June

SECOND SEMESTER

Monday 24 July -

Friday 01 December

END OF BLOCKS

Friday 13 October

PUBLIC AND OTHER HOLIDAYS

Saturday 01 January

(New Year's Day)

Monday 03 January

(Public Holiday)

Friday 07 January

(Muslim Holy Day)

Friday 17 March

(Muslim Holy Day)

Tuesday 21 March

(Human Rights Day)

Friday 21 April

(Good Friday)

Monday 24 April

(Family Day)

Thursday 27 April

(Freedom Day)

Monday 01 May

(Workers' Day)

Wednesday 10 May

(Clinical Conference)

Friday 16 June

(Youth Day)

Wednesday 9 August

(National Women's Day)

Wednesday 06 September - from 12 noon

(MSRC Annual General Meeting)

Wednesday 06 September

(Faculty Research Day)

Sunday 24 September

(Heritage Day)

Monday 25 September

(Public Holiday)

Saturday and Sunday 30 Sep/1 Oct

(Jewish New Year)

Monday 09 October

(Jewish Holy Day)

Thursday and Friday 26/27 October

(Hindu Holy Days)

Saturday 16 December

(Day of Reconciliation)

Monday 25 December

(Christmas Day)

Tuesday 26 December

(Day of Goodwill)

11. Student Societies

Students in the Faculty of Medicine are eligible for membership of the Medical Students' Representative Council, and are entitled to vote in elections of this body, which is recognised as the official student organisation of the Faculty of Medicine. Medical students are also entitled to join the Sports Union and subsidiary clubs, and to vote in the elections of relevant University committees.

12. Rural Attachment

During the clinical years of study all students will be required to work in rural hospitals for specified periods

13. Vaccination: Hepatitis B

All students entering for the degree should, preferably, be successfully vaccinated against Hepatitis B prior to registration or as soon as possible thereafter.

14. Health Professions Council of South Africa Registration

All medical students are required to register with the Council upon admission to the MBChB degrees course and are bound by the Health Professions Council of South Africa regulations. The fee charged is R35.00.

15. Social Considerations

No smoking is allowed for all students within any of the buildings on the campuses at the Durban Centre, except on open verandahs and balconies and other specially designated areas and in private studies not used for tutorials and meetings.

RULES FOR DEGREES AND DIPLOMAS

DEGREES AND DIPLOMAS OFFERED

M1

- (a) The following degrees are conferred and diplomas awarded:

Bachelor of Medicine and Bachelor of Surgery	MBChB
Bachelor of Medical Science (Honours)	BMedSc Hons
Master of Medicine	MMed
Bachelor of Medical Science (Honours)	
Medical Microbiology	BMedSc Hons Med Micro
Master of Medical Science Medical Microbiology	MMedSc Med Micro
Master of Medical Science	MMedSc
Master of Medical Science (Sports Medicine)	MMedSc Sports Med
Master of Clinical Pharmacology	MClinPharm
Master of Family Medicine	MFamMed
Master of Medicine (Public Health Medicine)	MMedPHM
Master of Public Health	MPH
Doctor of Medicine	MD
Doctor of Philosophy	PhD
Advanced Postgraduate Certificate in Clinical Pharmacology	AdvCertClinPharm
Advanced Postgraduate Certificate in Sports Science	AdvCertSportsSc
Advanced Postgraduate Certificate in Sports Medicine	AdvCertSportsMed
Advanced Postgraduate Diploma in Sports Medicine	DSM
Postgraduate Diploma in Diagnostic Ultrasound	DDU
Postgraduate Diploma in Health Services Management	DHSM
Postgraduate Diploma in Maternal & Child Health	DMCH
Postgraduate Diploma in Occupational Health	DOH
Postgraduate Diploma in Public Health	DPH

- (b) The common rules of the University shall, where applicable, also apply to degrees and diplomas offered in this Faculty.
- (c) Except with the permission of Senate all the following rules for degrees and diplomas offered in the Faculty shall apply.

BACHELOR OF MEDICINE AND BACHELOR OF SURGERY

Admission

M2

Except with the special permission of Senate, no candidate shall be permitted to register for the degrees unless they have previously obtained a full matriculation exemption or equivalent at first attempt.

Curriculum

M3

- (a) Candidates shall meet the promotion criteria for the following courses (*except for MBH2BE1 (Behavioural and Social Science), assessments of which contribute to the year mark of MBH3BE1 in the third year of study).

FIRST YEAR

DSB1MD1/1MD2	Biology (Medical)
DSC1DMY	Chemistry
DSP1DMY	Physics
MCH1COY	Community Health
MPH1PA2	Physiology 1
MAN1PA2	Anatomy 1
DCL1SC1	Skills and Concepts for Medical Studies
MFA1ECY	Emergency Care Practitioner (Basic) Course

SECOND YEAR

MAN2ANY	Anatomy 2 (including Embryology & Physical Anthropology)
MPH2PHY	Physiology 2 (including Experimental Physiology, Histology and Biochemistry)
MBH2BE1	Behavioural & Social Science 1*

THIRD YEAR

MMI3MIY	Microbiology
MPR3PHY	Pharmacology
MAP3ANY	Anatomical Pathology
MBH3BE1	Behavioural and Social Science 2*
MME3ICY	Introduction to Clinical Methods

FOURTH YEAR

MCH4COY	Community Health 2
MCP4CHY	Chemical Pathology
MFO4FMY	Forensic Medicine
MME4MEY	Medicine 1
MSU4SUY	Surgery 1
MOG4OBY	Obstetrics and Gynaecology 1
MPS4PSY	Psychiatry 1

FIFTH YEAR

MFO5MLY	Medical Law & Ethics
MME5THY/5CLY	Medicine 2
MSU5THY/5CLY	Surgery 2
MOG5THY/5CLY	Obstetrics and Gynaecology 2
MPD5THY/5CLY	Paediatrics 2
MPS5THY/5CLY	Psychiatry 2

SIXTH YEAR

MME6THY/6CLY	Medicine 3
MSU6THY/6CLY	Surgery 3
MOG6THY/6CLY	Obstetrics and Gynaecology 3
MPD6THY/6CLY	Paediatrics 3
MPS6THY/6CLY	Psychiatry 3
MFM6THY/6CLY	Family Medicine

- (b) A candidate shall subscribe to the following declaration prior to the commencement of the MBChB degree:

AS A STUDENT of Medicine at the University of Natal

I do solemnly declare that I will keep silent about those things which I have seen or heard whilst dealing with the sick and that in my relations with patients and colleagues I will conduct myself according to the ethics of the medical profession. I will not knowingly or intentionally do anything to any person which may harm them for any consideration whatsoever and I will exercise my profession to the best of my knowledge and ability for the good of all persons whose health may be entrusted to me.

I do hereby acknowledge and accept that by virtue of the practice, and therefore teaching, in the profession of medicine, various aspects of my medical studies and training in the Bachelor of Medicine Bachelor of Surgery degree may be scheduled to take place on any day of the week.

I hereby accept that all teaching programmes and activities scheduled by the Faculty of Medicine are essential to my medical studies and training.

I further acknowledge that the scheduling of activities on Saturdays/Sundays/Public and Religious Holidays is due to timetable constraints and especially due to essential clinical teaching of a broad nature.

- (c) Candidates shall not be promoted to the subsequent year unless they have met all the promotion criteria of the Faculty in the examinations and/or clinical assessments as stipulated in Act No 56 of 1974 (Government Gazette No R652 of 5 May 1995).

Note:

Obstetrics and Gynaecology, Family Medicine and Paediatrics Clinical, Vivas and OSCE examinations will be held at the end of each block.

There will be no re-examination in Obstetrics, Gynaecology, Family Medicine and Paediatrics. The end of block examination is the final examination.

Supplementary Examinations

M4

Supplementary examinations or clinical assessments may be granted in all courses failed with a mark of between 40-48 per cent at the previous ordinary examination.

Promotion and Refusal of Readmission

M5

- Candidates in any year of study shall not be promoted to the next year unless they have obtained credit for all subjects prescribed for a particular year. (note exception M3(a)).
- Candidates who have not completed all the prescribed courses for any one year of study within two years shall be refused readmission.
- Candidates who have not completed all the prescribed first, second and third year courses within five years shall be refused re-admission.
- Candidates in first or second year who obtain an overall aggregate total of less than 30 per cent for all courses in either first or second year shall be refused readmission in that year.
- Candidates who, on Psychiatric grounds or grounds of substance abuse, are deemed impaired and unable to continue their studies after due consideration and assessment by an *ad hoc* committee of the Board, shall have their registration suspended or be refused readmission.

Award of Degree *Cum Laude*

M6

The degrees of Bachelor of Medicine and Bachelor of Surgery will be awarded *cum laude* if a candidate: obtains 210 out of 300 points and *summa cum laude* if a candidate obtains 225 out of 300 points to be allocated according to the following formula.

The points apply to a mark of 75 - 80%. However, a candidate who obtains 70 - 74% shall earn 2/3rd of the points as indicated, and a candidate whose mark exceeds 80% shall earn 1 1/3rd of the points as indicated.

2nd Year

Anatomy 2	15	
Physiology 2	15	= 30 points

3rd Year

Pathology	15		
Pharmacology	15		
Microbiology	15		
Behavioural & Soc Science	6	=	51 points

4th Year

Chemical Pathology	15		
Community Health	15		
Forensic Medicine	5	=	35 points

5th Year

Medical Law and Ethics	4	=	4 points
Total for preclinicals		=	120 points

6th Year

Medicine 3	30		
Surgery 3	30		
Obstetrics & Gynaecology 3	30		
Paediatrics 3	30		
Psychiatry 3	30		
Family Medicine	30	=	180 points
Total		=	300 points

BACHELOR OF MEDICAL SCIENCE (HONOURS)**Admission****M7**

No candidate shall be permitted to register for the degree unless they have been previously awarded the degree of Bachelor of Medical Science of the University or been admitted to the status thereof.

Curriculum**M8**

Candidates for the degree shall be required to pursue an approved course of study and research on a subject selected in consultation with the relevant Head of Department and shall attend the University for at least two semesters (full-time) or four semesters (part-time) after admission to the course.

M9

The subject of the Honours course shall consist of a core program plus a specialisation appropriate to that taken by the candidates in their majors.

M10

Candidates may be refused admission to the Honours course should the course be inappropriate or previous results be of an unacceptable standard (i.e. less than 60% in the BMedSc majors).

Examinations**M11**

Candidates for the Honours degree shall be required to present themselves for all parts of the final examination (written, oral and practical at the discretion of the appropriate Heads of the Department) in the first two semesters of registration, except where the course is taken part-time in which case candidates must present themselves for examination at the end of four semesters.

No candidates for the degree may present themselves for the final examination more than once.

Award of the Degree *Cum Laude***M12**

The Degree of Bachelor of Medical Science (Honours) shall be awarded *cum laude* if a candidate obtains a weighted average mark of at least 75% in the core and major subjects.

**BACHELOR OF MEDICAL SCIENCE (HONOURS)
MEDICAL MICROBIOLOGY****Admission****M13**

No candidate shall be permitted to register for the degree unless they have been previously awarded the degree of Bachelor of Medical Science, Bachelor of Science with majors in cell biology and one of the following subjects, microbiology, immunology, biochemistry, Bachelor of Veterinary Science, Professional Pharmacy degree; or been admitted to the status thereof.

Curriculum**M14**

Candidates for the degree shall be required to pursue an approved course of study which shall consist of a core program plus an appropriate specialisation and research on a subject selected in consultation with the Head of Department.

Duration

M15

The course shall run for four semesters of full time study.

Examinations

M16

Candidates for the Honours degree shall be required to present themselves for all parts of the final examination (written, oral and practical at the discretion of the appropriate Head of the Department) in the year of registration. A commentary on a topic as approved by the Head of Department will be submitted at the end of the fourth semester.

No candidates for the degree may present themselves for the final examination more than once.

Award of the Degree *Cum Laude*

M17

The Degree of Bachelor of Medical Science (Honours) Medical Microbiology shall be awarded *cum laude* if a candidate obtains a weighted average mark of at least 75% in the core and major subjects.

MASTER OF MEDICINE

M18 Abbreviation

The degree of Master of Medicine will be denoted by the abbreviation MMed. The designated speciality subject in which the degree was obtained will be indicated in parentheses.

M19 Admissions

Candidates shall not be permitted to register for the degree unless they have previously:

- (a) been awarded the Bachelor of Medicine and Bachelor of Surgery degrees of the University or admitted to the status thereof; and
- (b) met the requirements of the Health Professions Council to enter for specialist training.

M20 Registration

The period for which candidates are required to be registered as postgraduate students in the speciality department in which study is being pursued and the minimum periods which may apply under certain conditions are shown in Rule M24 (Specific Requirements). Unless otherwise indicated in Rule M24 exemption of not more than 2 years may be given in respect of training and experience considered to be equivalent for this purpose. Registration includes both registration with the University as a postgraduate student in the speciality department and incumbency (including past incumbency) of a post designated by the Health Professions

Council as a training post in that discipline, except in the case of supernumerary students as defined by the Board of the Faculty and reported to the Academic Affairs Board, in which case only registration with the University will be necessary. Incumbency of designated training posts will be full-time except in the case of certain disciplines indicated in Rule M24 when not more than 2 years may be part-time.

M21 Speciality Subjects and Ancillaries

(a) Speciality Subjects:

Candidates will pursue advanced study and deliver service for training in the speciality subject. Candidates are required to participate in all academic and in-service programmes specified by the Head of the Department and to administer a standard of service which, through an ethos of humanitarianism and excellence, brings credit to the profession and the University.

(b) Ancillary Subjects:

Training and examination in specified ancillary subjects is a requirement in respect of certain speciality subjects. Compulsory ancillary subjects in respect of each speciality subject are shown in Rule M24. The nature of courses and examinations in ancillary subjects will be determined by consultation between the Head of Department of the speciality subject and the Head of Department of the ancillary subject and will take account of the requirements of the Health Professions Council concerning that speciality.

M22 Examination:

Examinations leading to the MMed degree will be conducted in a number of parts. The number of examination parts in respect of each speciality subject and the minimum number of semesters for which candidates shall be registered before being permitted to present for examination are shown in Rule M24. Unless otherwise indicated in Rule M24 candidates may not present themselves for examination in any part, except the first part, unless they have been registered for, and completed, a minimum of two semesters since completing the preceding part.

Re-examination: In the event of a candidate failing the examination in Part I or Part II the examination may be rewritten 6 monthly for a total of three attempts, further attempts requiring the special permission of the Board.

M23 Dissertation:

Candidates are required to undertake research and submit a dissertation on a topic relevant to the speciality subject which has been approved by the Head of Department. Candidates may, at the discretion of the Head of Department be required to submit to an oral examination in the same field of research as that addressed in the dissertation. Candidates have to submit a protocol for the approval of the Ethics and Higher Degrees Sub-Committees.

M24 Exemptions from Examination:

A candidate who has passed an examination of the College of Medicine of South Africa or an equivalent examination in the same speciality subject may be exempted from the corresponding examination of the University. A candidate who is registered with the Health Professions Council as a specialist in a particular discipline, may after registration as a student for one year, be awarded the MMed degree on successful submission of a dissertation.

M25

The degree of Master of Medicine may be awarded *cum laude*:

- (a) to those candidates who obtained an “X” rating in each component of the examination;
- (b) where candidates were exempted from any part of the Master of Medicine examination by virtue of an equivalent College of Medicine examination, such candidates would be awarded the Master of Medicine *cum laude* only if they had obtained an “X” rating in the College examination as well as the dissertation.

M26

Specific Requirements for Speciality Subjects: See correspondingly labelled table.

(E = Examination) (D = Dissertation)

DISCIPLINE	DURATION OF REGISTRATION (Years)	ANCILLARY SUBJECTS	EXAMINATION PARTS: SEMESTERS BEFORE WRITING		
			PART I	PART II	PART III (D)
ANAESTHETICS	4	Physiology Pharmacology Physics Clinical Measurement Clinical Chemistry Anatomy Pathology	2	6	

The Department of Anaesthetics does not offer a Masters by coursework as outlined in rule M24. The masters degree is an academic qualification which can be obtained following the successful submission of a research dissertation and in conjunction with passing the FCA (SA) or equivalent.

ANATOMICAL PATHOLOGY	5	4	8	10(D)
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The final examination in Anatomical Pathology and Cytology may be written at the end of the fourth or fifth year.

Part I examinations may be written at the end of the 4 semesters of the course and will consist of a theory paper testing basic knowledge in Anatomical Pathology, Chemical Pathology, Medical Microbiology and Haematology plus a practical examination in diagnostic histopathology and morbid anatomy. A candidate shall spend a minimum of 6 semesters in the study of Anatomical Pathology and a minimum of 1 semester in the study of Cytology before sitting the final qualifying examination.

A satisfactorily completed dissertation (based on research) on a topic approved by the Head of Department, will be required of all candidates for the MMed (Anatomical Pathology).

A candidate who has obtained the FCPATH (SA) may be awarded the MMed (Anatomical Pathology) degree subject to the successful submission of a dissertation (based on research) on a topic related to the speciality Anatomical Pathology.

DISCIPLINE	DURATION OF REGISTRATION (Years)	ANCILLARY SUBJECTS	EXAMINATION PARTS: SEMESTERS BEFORE WRITING		
			PART I	PART II	PART III
CHEMICAL PATHOLOGY	4	Chemical Pathology	3	8 (E&D)	

The Part I examination, which may be written at any time after the completion of the first 3 semesters in the department, involves two 3 hour written papers, a practical examination and an oral examination. The format is subject to change at the discretion of the Head of Department. The Part 1 examination is compulsory for all registrars.

Upon passing Part 1, the candidate who wishes to proceed to Part II must identify a dissertation topic at the beginning of the third year of training. The Part II examination (final) includes two 3-hour written papers, a laboratory practical, a dissertation and an oral.

The registrar can alternatively opt to do the FC Path (SA) examination in lieu of the Part II M Med examination. This must be clearly stated in writing within the first two months of the third year of training.

CLINICAL PATHOLOGY	5	*Chemical Pathology *Haematology *Microbiology (including Virology)	2 *in each subject	10 (E&D)	
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*22 weeks.

Part I will consist of written examinations after at least two semesters in each of the major subjects. The final examination Part II at the end of the 5th year of study will require an extensive oral examination and the submission of a dissertation three months prior to the final examination. Approval of the dissertation shall be obtained from the Heads of the three major sub-departments.

DERMATOLOGY	4	Basic Sciences including anatomy & physiology Biochemistry Histochemistry General Pathology Dermatology General Medicine	3	5	8(D)
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The dissertation may be supported by publications by the candidate in the field of the dissertation.

DISCIPLINE	DURATION OF REGISTRATION (Years)	ANCILLARY SUBJECTS	EXAMINATION PARTS: SEMESTERS BEFORE WRITING		
			PART I	PART II	PART III
FORENSIC	5	Anatomical	4	10	10(E &D)
PATHOLOGY		Pathology			
		Chemical			
		Pathology			
		Haematology			
		Microbiology			

Dissertation to be submitted in 5th year *before* sitting final examination.

HAEMATOLOGY	4	Nil	3	7(E&D)	
			in either the subjects chosen or only this discipline		

The Part I examination may be written at any time after the completion of 3 semesters but before the completion of the 5th semester. It involves written papers and a laboratory practical at the discretion of the Head of Department. The Part II examination (final) includes written papers, a laboratory practical (as determined by the Head of Department), clinical haematological cases and an oral. A dissertation is also required and may be submitted any time during the final year. The award of the FFPATH (SA) may substitute for the written and practical components of the MMed Part II examinations, but the clinical examination, oral, and dissertation will be required.

MEDICAL MICROBIOLOGY	4		4	8(E&D)	
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This 3½ years of specialisation starts with bench training in all aspects of microbiology, including virology, this is followed by training in bedside consultation based on laboratory results and management of patients with infections. Considerable attention will be given to research methodology. Each student will do at least one research project in which basic science bench techniques will be applied. Special courses in related topics (immunology, molecular biology, epidemiology and statistics etc.) will be organised throughout the years. The contents will form an integral part of the examinations.

Part I and II examinations consist of one or two theory papers, plus a laboratory practical and oral examinations (as determined by the Head of Medical Microbiology). Students who opt to do the College of Medicine exam, are expected to write a MMed dissertation based on one of the research projects done while in training.

MEDICINE	4	Anatomy Physiology Pathology	6(E&D)		
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Examination not written in PARTS

In Medicine Rule M34 does not apply. The MMed (Medicine) in isolation is not regarded as sufficient for specialist registration. The Masters degree is a purely academic qualification subject to the successful submission of the dissertation once the candidate has completed a suitable qualification recognised for specialist registration by the MDC, such as the FCP (SA). The dissertation may be supported by publications by the candidate in the field of the dissertation.

DISCIPLINE	DURATION OF REGISTRATION (Years)	ANCILLARY SUBJECTS	EXAMINATION PARTS: SEMESTERS BEFORE WRITING		
			PART I	PART II	PART III
NEUROLOGY	4	Neuroanatomy Neurophysiology Neuropathology Neurochemistry Neuroimmunology	2	6	7(D)

Where the candidate is in possession of the qualification FCP(SA) (Internal Medicine), or an equivalent recognised by the HPCSA, the candidate shall register for a period of 3 years and complete by examination the major and ancillary subjects and present a dissertation by the end of the 6th semester.

NEUROSURGERY	5	Anatomy Physiology Pathology Principles of Surgery Principles of Intensive Care Neuroradiology	2	4	6(E&D)
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Candidates shall have at least 6 months experience in a full-time clinical post in General Surgery. A dissertation shall be submitted not before the end of the fifth year (ten semesters).

OBSTETRICS & GYNAECOLOGY	4	Anatomy Physiology Pathology Cytology Statistics Pharmacology Embryology Histology Microbiology Virology Physics of Ultrasound Oncology	2	6	8(E&D)
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The Part I examination shall be passed by the end of the 4th semester and the Part II can be written after the 6th semester. Two dissertations within the field of Obstetrics and Gynaecology approved by the Head of Department shall be submitted before the Part II examination is written. This shall be a record of original and independent research conducted by the candidate under the guidance of a supervisor and it may be supported by copies of the candidate's publications in the same field of research.

Candidates may be required to submit themselves to an oral examination in the same field of research.

Candidates who have completed the Part I and II conducted by the College of Medicine of South Africa may submit a dissertation.

DISCIPLINE	DURATION OF REGISTRATION (Years)	ANCILLARY SUBJECTS	EXAMINATION PARTS: SEMESTERS BEFORE WRITING		
			PART I	PART II	PART III
OPHTHALMOLOGY		Anatomy &	2	4	8(E&D)
		Embryology			
		Visual apparatus			
		Physiology and			
		Optics of visual system			

Candidates are required to present a dissertation before the end of the fourth year.

A candidate who has obtained the FCS (Ophth) (SA) Part I, may be exempted from the MMed Part I only, but will have to write the MMed Part II and complete a dissertation during a period of not less than three years in order to be awarded the MMed degree.

ORTHOPAEDIC SURGERY	5	Anatomy	2	4	10(E&D)
		Physiology			
		General			
		Pathology			
		General			
		Surgical			
		Principles			
		Biomechanics			
		Orthopaedic			
		Pathology			

One of the five years shall be devoted to surgery in a field other than that of Orthopaedic Surgery.

The MMed Final will be conducted in three parts: written, clinical and oral - on all facets of orthopaedics. A short dissertation shall also be submitted.

The dissertation shall be a record of independent research conducted by the candidate.

DISCIPLINE	DURATION OF REGISTRATION (Years)	ANCILLARY SUBJECTS	EXAMINATION PARTS:		
			SEMESTERS BEFORE WRITING		
			PART I	PART II	PART III
OTORRHINO- LARYNGOLOGY	4	Anatomy	2	4	8(E&D)
		Pathology			
		Physiology			
		Audiology			
		General			
		Surgical Principles			

A dissertation within the field of Otorhinolaryngology, approved by the Head of Department, shall be completed by the end of the 8th semester of study.

A candidate cannot be granted exemption from Part 1 MMed Otology (in respect of Rule M24 Exemptions from Examination) if he/she has passed the College of Medicine of South Africa FCS 1(a) examination. The candidate will have to write the MMed Part 1 examination but may be exempted from general physiology and neuroanatomy.

PAEDIATRICS AND CHILD HEALTH	4	Basic sciences related to Paediatrics	4 Incor- porated into Part III	6(D)	8(E)
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Dissertation to be submitted after 6th semester before sitting final examination on a subject relating to Paediatrics and Child Health. This shall be a record of original research carried out by the candidate in the University and may be supported by copies of the candidate's publications in the same field of research.

PLASTIC AND RECONSTRUCTIVE SURGERY

The MMed (Plastic and Reconstructive Surgery) in isolation is not regarded as sufficient for specialist registration. The Masters degree is a purely academic qualification subject to the successful submission of a dissertation once the candidate has completed a suitable qualification recognised for specialist registration by the HPCSA, such as FCS(SA).

The dissertation may be supported by publications by the candidate in the field of the dissertation.

PSYCHIATRY	4	Neuroanatomy Neurophysiology Psychology Neurology	2	6	8 (D)
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The Part I examination shall be passed by the end of the 4th semester and the Part II examination by the end of the 8th semester. The research dissertation shall be completed by the end of the 8th semester.

DISCIPLINE	DURATION OF REGISTRATION (Years)	ANCILLARY SUBJECTS	EXAMINATION PARTS: SEMESTERS BEFORE WRITING		
			PART I	PART II	PART III
PUBLIC HEALTH MEDICINE	4	Communicable and non-communicable health related conditions. Management and administration. Epidemiology, biostatistics and demography. Environmental health. Occupational health.	2	6	8(D)

Notwithstanding Rule M21(a), candidates will not be admitted without having completed a minimum of 4 years in an appropriate health service post. All candidates will be required to complete the **Masters in Public Health (MPH)** which will constitute the Part I examination. In addition, the Head of School may stipulate that certain of the MPH elective courses be completed to satisfy this requirement.

RADIOLOGY	5	Radiological Physics Radiological Anatomy Physiology as applied to radiology Pathology as applied to radiology	2	8(E)	10(D)
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Candidates exempted from Part II of the examination will be required to submit to an oral examination. A dissertation shall be submitted, not before the end of ten semesters of study. Candidates in possession of the full FCRad(D) (SA) or equivalent degree recognised by the HPCSA may, with the approval of Senate, pursue research under the guidance of a supervisor in the University for a period of at least two years and present a dissertation based on that research.

DISCIPLINE	DURATION OF REGISTRATION (Years)	ANCILLARY SUBJECTS	EXAMINATION PARTS: SEMESTERS BEFORE WRITING		
			PART I	PART II	PART III
RADIOTHERAPY 4 AND ONCOLOGY		Anatomy Physiology Physics Pathology Radiobiology Statistics	2	2	6(E&D)
SURGERY 4		Anatomy Physiology Pathology	3	4	8(D)
CARDIO- THORACIC SURGERY					
PLASTIC AND RECONSTRUCTIVE SURGERY					

In Surgery Rule M34 does not apply. The MMed (Surgery) in isolation is not regarded as sufficient for specialist registration. The Masters degree is a purely academic qualification subject to the successful submission of the dissertation once the candidate has completed a suitable qualification recognised for specialist registration by the HPCSA, such as the FCS (SA).

The dissertation may be supported by publications by the candidate in the field of the dissertation.

UROLOGY 4		Anatomy Physiology Pathology	2	4	8(E&D)
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One year of Surgical experience before the final examination is a requirement of the degree.

VIROLOGY 4		Medical Microbiology	2	4	8(E&D)
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The Part I examination may be written at any time after the completion of 2 semesters. A candidate shall spend at least three months in Medical Microbiology prior to this examination. The examination involves written papers testing basic knowledge of virology, a laboratory practical and an oral examination at the discretion of the head of department.

The Part II examination (final) includes written papers, a laboratory practical, an oral examination and the submission of a dissertation at least 6 months prior to the final examinations.

The award of the FFPPath (Clinical Virology) (SA) may substitute for the written and practical components of the MMed Part II examinations, but a clinical examination and dissertation will be required.

MASTER OF MEDICAL SCIENCE BY COURSEWORK

M26

Candidates shall not be permitted to register for the degree unless they have previously been awarded the degree of Bachelor of Medical Science (4 year degree); or Bachelor of Medical Science (Honours); or Bachelor of Science (Honours); or Bachelor of Medicine and Bachelor of Surgery; or, in respect of the Department of Community Health only, an Honours degree in a relevant discipline as approved by Board on the recommendation of the Higher Degrees sub-Committee of the Faculty or been admitted to status thereof.

M27

Candidates for the degree shall pursue advanced study and research under the guidance of a supervisor or supervisors appointed by Senate.

M28

The subject of study and research proposed for the degree shall be approved by Senate and shall be connected with the medical sciences.

M29

Senate may require candidates for the degree to take courses in any prescribed subject or subjects in addition to the subject which they offer for the degree.

M30

The examination shall consist of a dissertation, or of two or more written papers or projects, or of a dissertation together with one or more written papers or projects, as Senate may prescribe.

M31

The examiners may require candidates for the degree to present themselves for oral questioning in addition to other such examination as may be prescribed by Senate.

M32

At least three months before the dissertation is to be presented, candidates shall give notice in writing to the University, submitting at the same time the proposed title and an outline of the plan and general scope of the work.

M33

Every dissertation submitted for the degree shall be accompanied by a declaration to the satisfaction of Senate, stating that it has not been submitted for a degree in any other University.

M34

Three copies of every dissertation shall be submitted to the University. In special cases Senate may, in respect of material other than the text, allow some relaxation of the rule regarding submission of three copies.

M35

No candidate for the degree shall present themselves for examination in any subject more than once, except for special reasons to be approved in each particular case and on conditions to be determined by Senate. It shall, however, be competent for the examiners to recommend, and for Senate to approve, that a dissertation be referred back to the candidate for revision or extension.

M36

The degree of Master of Medical Science may be awarded *cum laude*.

MASTER OF MEDICAL SCIENCE (MEDICAL MICROBIOLOGY)**Admission****M37**

No candidates shall be permitted to register for the Master of Medical Science in Medical Microbiology degree unless they have previously been awarded at least one of the following degrees or been admitted to status thereof: Bachelor of Medicine and Bachelor of Surgery, Bachelor of Pharmacy, Bachelor of Veterinary Science, Bachelor of Dental Surgery, Bachelor of Medical Science (Hons) with Microbiology.

Duration**M38**

The course extends over three years (six semesters) with part-time academic tuition.

M39

The examination shall consist of a research project on a topic approved by the Head of Department, commenced at the beginning of the first year and submitted at the end of the third year.

Award of Degree Cum Laude**M40**

The degree of Master of Medical Science Medical Microbiology may be awarded *cum laude*.

MASTER OF MEDICAL SCIENCE BY COURSEWORK

Department of Physiology

Admission

M41

No candidates shall be permitted to register for the Master of Medical Science degree by coursework unless they have previously been awarded the degree of Bachelor of Medicine and Bachelor of Surgery; Bachelor of Science (Physiotherapy); Bachelor of Human Movement Science (Honours) or have been admitted to status thereof; or been registered with the Health Professions Council as a medical practitioner or physiotherapist for not less than two years.

Duration

M42

The course extends over five semesters with part-time academic tuition.

M43

The examinations for Part 1 shall be at the end of the first and second semesters. A candidate shall not proceed to Part II until Part I has been passed. The examinations for Part II shall be at the end of the third and fourth semesters.

In the event of a candidate failing either Part I or Part II, the examination may be written six monthly for a total of three attempts only. Further attempts will require the permission of the Board of the Faculty of Medicine.

A commentary on a topic as approved by the Head of Department will be submitted at the end of the fifth semester.

MASTER OF MEDICAL SCIENCE (SPORTS MEDICINE)

Additional exit points:

ADVANCED POSTGRADUATE DIPLOMA (SPORTS MEDICINE)

ADVANCED POSTGRADUATE CERTIFICATE (SPORTS SCIENCE)

ADVANCED POSTGRADUATE CERTIFICATE (SPORTS MEDICINE)

Department of Physiology (School of Medical Sciences)

Admission

M44

No candidates shall be permitted to register for the Master of Medical Science in Sports Medicine by coursework unless they have previously been awarded the degree of Bachelor of Medicine and Bachelor of Surgery; Bachelor of Science (Physiotherapy); Bachelor of Human Movement Science (Honours) or have been admitted to status thereof; and have been registered with the Health Professions Council as a medical practitioner, a physiotherapist or a biokinetician for not less than two years.

Duration

M45

The course extends over five semesters with part time academic tuition.

M46

The examinations for the **Advanced Postgraduate Certificate in Sports Science** shall be at the end of the first and second semesters. The examinations for the **Advanced Postgraduate Certificate in Sports Medicine** shall be at the end of the third and fourth semesters.

In the event of a candidate failing either the Advanced Postgraduate Certificate in Sports Science or the Advanced Postgraduate Certificate in Sports Medicine, the examination may be written six monthly for a total of three attempts only. Further attempts will require the permission of the Board of the Faculty of Medicine.

The **Advanced Postgraduate Diploma in Sports Medicine** will be awarded on successful completion of both the Advanced Postgraduate Certificate in Sports Science and the Advanced Postgraduate Certificate in Sports Medicine.

A commentary on a topic as approved by the Head of the School will be submitted at the end of the fifth semester. After successful completion of the commentary and the Advanced Postgraduate Diploma in Sports Medicine the candidate will be awarded the **Master of Medical Science in Sports Medicine**.

M47

The degree of Master of Medical Science (Sports Medicine) may be awarded *cum laude*

MASTER OF CLINICAL PHARMACOLOGY (M Clin Pharm)

Admission

M48

No candidates shall be permitted to register for the Master of Clinical Pharmacology degree unless they have previously been awarded at least one of the following degrees or been admitted to status thereof: Bachelor of Medicine and Bachelor of Surgery; Bachelor of Pharmacy; Bachelor of Dental Surgery.

In addition candidates must have full registration with their appropriate statutory council in South Africa.

Duration

M49

The duration of the course extends over THREE YEARS (six semesters) with part-time academic instruction.

M50

The examination shall consist of the following:

TWO papers at the end of two semesters

ONE paper, ONE OSCE exam and ONE oral at the end of four semesters.

ONE paper, ONE OSCE exam, ONE oral and a project at the end of six semesters.

The project, on a topic approved by the Head of Department, is to be commenced during the first semester and must be submitted by the end of the sixth semester.

Award of Degree *Cum Laude*

M51

The degree of Master of Clinical Pharmacology may be awarded *cum laude*.

ADVANCED POSTGRADUATE CERTIFICATE IN CLINICAL PHARMACOLOGY

Admission

M52

No candidates shall be permitted to register for the Advanced

Postgraduate Certificate in Clinical Pharmacology unless they have previously been awarded at least one of the following degrees or been admitted to status thereof: Bachelor of Medicine and Bachelor of Surgery; Bachelor of Pharmacy; Bachelor of Dental Surgery. In addition candidates must have full registration with their appropriate statutory council in South Africa.

Duration

M53

The duration of the course extends over TWO YEARS (four semesters) with part-time academic instruction.

M54

The examination shall consist of the following:

TWO papers at the end of two semesters.

TWO papers, ONE OSCE exam and ONE oral at the end of four semesters.

M55

The Advanced Postgraduate Certificate in Clinical Pharmacology may be awarded *cum laude*.

MASTER OF FAMILY MEDICINE (M FAM MED)

Department: Family Medicine

Admission**M56**

Candidates shall not be permitted to register for the degree unless they have previously:

- (a) been awarded the Bachelor of Medicine and Bachelor of Surgery degrees of the University or admitted to status thereof at least two years before being admitted as candidates for the degree.
- (b) met the requirements of the Health Professions Council.

Duration**M57**

The duration of the course extends over three years (six semesters) with part-time academic and practical instruction.

Candidates are required to conduct specific work assignments between the periods of instruction in their own general practice or other primary care situation in which they are currently employed. In the event of candidates not being so employed, access to primary care situations for the conduct of assignments will be provided.

Examination**M58**

The examination for Part I shall be written at the end of the 2nd semester. A candidate shall not proceed to Part II until the Part 1 examination has been passed. The examination for Part II shall be written at the end of the sixth semester.

Candidates shall not be admitted to examination for Part I or Part II until they have completed the prescribed courses and practical assignments for the first year and last two years of study, respectively.

In the event of the candidate failing either Part I or Part II, the examination may be written six-monthly with a total of three attempts for each. Further attempts will require the permission of the Board of the Faculty of Medicine.

A critical literature review, on an approved subject, shall contribute towards the final examination result. This critical literature review must be submitted during and/or before the end of the third year.

Award of Degree *Cum Laude*

M59

The degree of Master of Family Medicine may be awarded *cum laude*.

MASTER OF PUBLIC HEALTH

School of Family and Public Health

Additional Exit Points

POSTGRADUATE DIPLOMA IN PUBLIC HEALTH

M60

Candidates for the Master of Public Health shall have at least a four-year Bachelors degree from a recognised institution, or have been admitted to the status thereof.

M61

Candidates will be subject to selection.

M62

The curriculum for the course shall extend over a 3-year period of part-time academic tuition.

M63

The curriculum shall comprise 8 compulsory Level I modules (64 credits), 2 compulsory Level II modules (16 credits), 6 elective Level II modules (48 credits) and a research report on a topic approved by the Head of the School.

M64

After successful completion of the 8 Level I modules, the candidate will be awarded the **Postgraduate Diploma in Public Health**.

After successful completion of the Postgraduate Diploma in Public Health, the 2 compulsory Level II modules, 6 elective Level II modules and the research project, the candidate will be awarded the **Master of Public Health**.

M65

Examinations will be held for each module and will include assignments, practical work and written examinations.

In the event of a candidate failing a module, the examination may be written six-monthly for a total of three attempts only. Further attempts will require the permission of the Board of the Faculty of Medicine.

M66

The Postgraduate Diploma in Public Health and the Master of Public Health may be awarded with distinction.

DOCTOR OF MEDICINE**M67**

No candidates shall be permitted to register for the degree unless they have previously been awarded the degree of Bachelor of Medicine and Bachelor of Surgery of the University or been admitted to the status thereof.

M68

Intending candidates shall be required to produce evidence satisfactory to the Senate of their competence to work for the degree, and the Senate may decline to admit as a candidate for the degree any person whose previous academic attainments are in its opinion, not sufficiently high to warrant such admission.

M69

Candidates for the degree shall be required to have attended as registered students of the University for a period of not less than two years and pursue an approved course of study or research on some subject connected with the medical sciences and falling within the scope of the studies represented in the University.

M70

The Senate shall appoint one or more supervisors to advise candidates whose subjects of special study or research have been approved, and candidates shall be required to work in association with the supervisor or supervisors as the Senate may direct.

M71

Candidates for the degree shall be required to submit in sextuplicate, a thesis which shall be a record of original and independent research carried out by the candidate and which may be supported by copies of the candidate's publications in the same field of research, or by copies of published work in this field done conjointly with other investigators.

M72

No thesis shall be accepted which is not a work of distinction in its field, and which does not make an important contribution to the advancement of learning.

M73

Except with the special permission of the Senate, candidates shall be required to submit themselves to examination, written or oral, or both, on the subject of their thesis and on the whole field of study in which it falls.

M74

The Common Rules for the degree of Doctor of Philosophy in all Faculties, D4, D7, D8, D9, D11, D14, shall also be of effect for the degree of Doctor of Medicine.

M75

Candidates who after eight semesters of full time study or ten semesters part time study has not completed the requirements for the degree may be refused permission to renew their registration.

M76

An accepted thesis subsequently published in whatever form shall bear the inscription:

“ Thesis approved for the degree of
Doctor of Medicine in the Faculty of Medicine
in the University of Natal “.

DOCTOR OF PHILOSOPHY**M77**

No candidates shall be permitted to register for the degree unless they have previously:

- (a) been awarded the degree of Bachelor of Medicine and Bachelor of Surgery, or been admitted to the status thereof; *or*
- (b) been awarded the degree of Master of Medical Science, or Master of Science, or Master of Science in Agriculture, or Master of Science in Engineering, or Master of Arts, or Master of Social Science or been admitted to the status thereof, *or*
- (c) been awarded the degree of Bachelor of Medical Science (Honours), or Bachelor of Science (Honours), or Bachelor of Science in Agriculture or Bachelor of Science in Engineering or been admitted to the status thereof, and been exempted by the Senate from the Master's examination.

M78

Candidates for the degree shall be required to pursue an approved course of study and research on a subject connected with the medical sciences.

M79

Candidates for the degree shall further comply with all the provisions of Common Rules D1 to D14 inclusive.

M80

Candidates who after eight semesters of full time and ten semesters part-time study has not completed the requirements for the degree may be refused permission to renew their registration.

M81

An accepted thesis subsequently published in whatever form shall bear the inscription:

“ Thesis approved for the degree of
Doctor of Philosophy in the Faculty of Medicine
in the University of Natal “.

POSTGRADUATE DIPLOMA IN DIAGNOSTIC ULTRASOUND**Department of Radiology****Admission****M82**

Candidates for the Diploma in Diagnostic Ultrasound shall have a degree or a higher diploma from a recognised medical school, be registered as a medical practitioner with the Medical Council of the country in which the candidate resides, and be proficient in oral and written English.

Duration**M83**

The course consists of four compulsory modules, each of one semester's duration. Two modules must be completed within the first year of registration. The minimum registration period for attainment of the Diploma is 12 months and the maximum registration period is three years. Tuition is material based, by distance learning with tutorship and requires two weeks of compulsory attendance in the Department of Radiology per module.

Examination

M84

Examination of each module is by course assessment, and written and practical examination at the end of the module. Candidates are allowed two attempts to pass any given module. All modules must be successfully completed for the award of the Diploma in Diagnostic Ultrasound.

POSTGRADUATE DIPLOMA IN MATERNAL AND CHILD HEALTH

M85

The Diploma shall be open to Medical Practitioners who have been registered with the Health Professions Council for at least two years and six months.

M86

A candidate shall submit evidence of:

- (a) having held an obstetrics post (after registration), approved by the Head of Department of Obstetrics & Gynaecology, in a full-time capacity for a period of six months in addition to the six months post-registration experience required before entry in the course.
- (b) having had post-registration part-time paediatric experience of not less than 18 months, *or* having held a paediatric post approved by the Head of the Department of Paediatrics & Child Health, Obstetrics & Gynaecology, Community Health and Educational Techniques over a period of not less than 18 months.

The paediatric experience and the course of instruction may run concurrently.

M87

The examination shall comprise:

PART I:

16 assignments covering **all** areas of the syllabus. The assignments will consist of appropriate field exercises or problem solving exercises. At least half the assignments in each area shall be completed by the end of the 2nd semester of training and submitted within four weeks of the completion of that semester. The remainder of the assignments shall be submitted at least two months prior to Part II of the examination.

PART II:

- (i) Two three hour written assessments, *or*
One three hour written assessment and one two hour MCQ assessment.
Assessments will include questions on Obstetrics and Gynaecology, Paediatrics and Community Health.
- (ii) Clinical assessments of Paediatric, Obstetric and Gynaecological patients.
- (iii) Oral assessments in Paediatrics, Obstetrics and Gynaecology, Community Health and Educational Techniques.

PART I will contribute 50 per cent to the final mark.

PART II will contribute 50 per cent to the final mark.

M88

Candidates who fail the examination may be granted a supplementary examination.

M89

The Diploma may be awarded with distinction.

POSTGRADUATE DIPLOMA IN HEALTH SERVICES MANAGEMENT

M90

Candidates for the Diploma in Health Services Management shall have a degree or higher diploma in Health Sciences from a recognised institution, and will have had at least three years experience as a manager in Health Services or equivalent experience in a leadership/management position either in the public or private sector.

M91

The curriculum for the diploma shall extend over two semesters of part-time study.

M92

Candidates shall complete to the satisfaction of the Senate such practical work and pass such examinations as may be prescribed by the Head of Department for the diploma.

POSTGRADUATE DIPLOMA IN OCCUPATIONAL HEALTH

Department of Community Health

M93

Candidates for the Diploma in Occupational Health shall have a degree from a recognised university and be practising occupational health at a service, research or academic level for at least one year.

M94

The curriculum for the diploma shall extend over a two year period of part-time academic tuition.

M95

Candidates shall complete such practical work, research projects and examinations as may be prescribed for the diploma.

SYLLABUSES

DP Requirements are published in an addendum to the calendar

All syllabus requirements are approved and directed by the Board of the Faculty of Medicine.

Notes

- The name of each course is followed by a computer code of 7 symbols. The first 3 are letters representing the Department offering the course, while the 4th is a number which indicates the level of the course; first-year standard (1), second-year standard (2), third-year standard (3), fourth-year standard (4), fifth-year standard (5), sixth-year standard (6). The eighth symbol is either the letter Y, designating a course of a year's duration, or a number 1 or 2, which indicates that the courses are offered in either the first or second semester.*
- In the bracket after the computer code, the approximate number of lectures, practical sessions, tutorials and seminars as may be applicable to the course are given followed by the duration of each course in weeks. The letters in this section have the following meanings:*
 - L - Number of lectures (45 minute units)
 - T - Number of tutorials (45 minute units)
 - S - Number of seminars (45 minute units)
 - P - Number of hours engaged in practical work.
 - C - Number of hours engaged in clinical training.
 - W - Number of weeks of teaching time, excluding examination and private study time.
 - CP- Credit Points

3. DP - Duly performed certificate.

Anaesthetics

(4th yr 16L-2W)
(5th yr 2P-2W)

Undergraduate exposure in Anaesthetics takes place in the fifth year of study. A series of introductory lectures is given to students. In the fifth year students are divided into small groups each of which spends two weeks in the operating theatres receiving basic instruction in the practical administration of anaesthetics. During these two weeks students are also taught and examined on Basic Life Support.

Assessment/Examination:

At the end of two weeks the student's performance will be assessed and a mark (1/3rd of the total) allocated to the case and ICU reports. There will be an OSCE examination at the end of two weeks. The OSCE mark will form 33 percent of the final end of year anaesthetic mark. At the end of the year a 45 minute MCQ paper with 30 questions will be given. Therefore the year's aggregate will consist of 66 marks derived from the two week block and OSCE plus the MCQ examination at the end of the year.

The top five students will be given a supplementary oral on a voluntary basis to determine if any student should be awarded the South African Society of Anaesthesiologists medal. Students who produce an unsatisfactory performance will be given a supplementary oral to

determine whether such a student should spend an additional week in the operating theatres during the December vacation.

Anatomical Pathology MAP3ANY

(150L-48T-18S-126P-36W-56CP)

The course in Anatomical Pathology includes instruction in both general and systematic pathology during the third year of study and comprises lectures, practical histopathology, post-mortem demonstrations with case presentations, museum demonstrations and tutorial classes.

The final examination in Anatomical Pathology will be written at the end of the third year (sixth semester).

Assessment: Recording of all necropsies is obligatory and student record books must be handed in weekly for review.

Class test marks are included in third year final examination marks. Zero mark will be recorded in case of failure to write unless an acceptable medical certificate is presented.

Class registers are taken at all practicals, post-mortem demonstrations, seminars and tutorials.

Anatomy 1 (MAN1PA2)

(13L-3T-3P-13W-8CP)

Overview of the structure of the human body with lectures and demonstrations on gross anatomy, neuroanatomy and embryology to facilitate an understanding of the course contents in the 2nd year (Anatomy II)

Anatomy 2 MAN2ANY

(L68-P442-W34-64CP)

Knowledge of the following course of study which extends over one academic year.

- (1) Systemic anatomy, including osteology, arthrology, myology, neurology, angiology, splanchnology and surface anatomy.
- (2) Regional anatomy is studied in the dissecting room. The student must dissect the different regions of the human body at least once during the course.
- (3) The microscope structure of the various organs and tissues.
- (4) Applied anatomy, including the radiology of the normal.

Assessment:

- (a) Attempt all 5 Oral examinations on the following parts of the body:

Upper Limb	Abdomen & Pelvis
Lower Limb	Head & Neck
Thorax	Nervous System

One re-examination will be permitted in each case of failure.

- (b) Write all Class Tests including the Mid-year examination.

- (5) Embryology: This includes

- (a) The general principles of human embryology
- (b) The special development of the systems and organs of the human body.

Behavioural and Social Science 1 MBH2BE1

(20L-20W-0CP)

The second year course in Behavioural and Social Science provides an introduction to basic psychological concepts and the human development cycle. Emphasis is placed on a

biopsychosocial frame of reference. Assessments within this course contribute to the year mark of MBH3B1 in the third year of study.

Behavioural and Social Science 2 MBH3BE1

(40L-20W-16CP)

Prerequisite: Behavioural and Social Science 1 MBEH2BE1

The third year course in Behavioural and Social Science delves extensively into the human development cycle, highlighting the practical ramifications of particular stages of development. Thereafter the student is engaged in a study of human behaviour in illness and the relationship between doctor and patient. Instruction is also given in basic psychopathology and assessment of behaviour, linking the course with that in Psychiatry. The course concludes with an examination of sociological factors relevant to health and illness.

Cardiothoracic Surgery

(12L-2C-12W)

The course of lectures is designed to demonstrate the range of investigative and surgical techniques available to the Cardiothoracic Surgeon in relation to diseases of the lung, pleura, mediastinum, oesophagus and diaphragm, in order that the student will later know what type of patient is most appropriately referred for a thoracic surgical opinion. The scope of cardiac surgery for congenital and acquired heart diseases is outlined. An overview of chest trauma is presented. The case demonstrations are held during Cardiology and Neurology blocks at Wentworth Hospital.

Chemical Pathology MCP4CHY

(56L-30T-33W-16CP)

The course covers the basic qualitative and quantitative biochemical aberrations in a wide spectrum of clinical disorders as well as the investigations appropriate to the disorders. In addition to formal lectures, clinical tutorials relating to the disorders are given.

Amongst the areas covered are renal function, fluid and electrolyte balance, acid-base disturbances, liver function, gastro-intestinal function, metabolic disorders involving the major and minor components in metabolism and metabolic bone disorders, hypo- and hyper-endocrine function, genetic disorders, enzymology in relation to disease, diagnostic and biochemical aberrations in malignancy, perinatal obstetric and gynaecological endocrinology.

Chemistry DSC1DMY

(24L-6T-6P-0CP)

Structure of matter, chemical equations, gases, redox reactions, periodic table, metals and non-metals, bonding, nuclear and radiochemistry.

Chemistry DSC1DMY

(24L-6T-6P-16CP)

Equilibria, acids and bases, thermochemistry, chemical kinetics, nomenclature and structure of organic compounds.

DP Requirement: A minimum of 80% attendance at all class activities

Prescribed book:

D.D. Ebbing *General Chemistry* 5th edition 1996 Houghton-Mifflin

Community Health 1 MCH1COY

(111L-110T-30S-7P-24W-32CP)

In the first semester courses are provided in:-

- (1) Community Medicine, Comprehensive Medicine, Epidemiology, Biostatistics, Environmental Health, Health Legislation and Health Services Organisation.

- (2) Social Anthropology concerned with belief systems and values relevant to medical practice.

In the second semester students participate in a student centred, clinico/community orientated learning module around the subject of "Tuberculosis". As part of their training students are exposed to clinical, family and community environments.

Community Health 2 MCH4COY

(22L-24T-1S-48P-3W-16CP)

In the fourth year training is given in Community Medicine directed to urban communities. Practical epidemiological research is carried out in the community. Instruction is given in the principles of Occupational Health and practical training.

Assessment:

In-course practical work constitutes part of the University examination at the end of first year.

Prescribed Books: (Latest Editions)

Spencer, IWF *Community Health*, Shuter & Shooter

Recommended: (Latest Editions)

Beaglehole R, Bonita R, *Basic Epidemiology*, World Health Organisation

Brink, HIL *Statistics for Nurses*, Academia

Coggon D, Rose G, Barker DJP *Epidemiology for the Uninitiated*, BMJ Publishing Group 1997

Katzenellenbogen JM, Joubert G, Abdool Karim S University Press *Epidemiology: A manual for South Africa*. Oxford

Last, JM A *Dictionary of Epidemiology*, OUP, 2nd edition

Tarimo E *Towards a Healthy District*

Dermatology

(Fifth year)

(8L-12T- 2S-36W)

(Sixth year)

(OL-6T-36W)

Methods of investigation, diagnosis and treatment of all common skin diseases are covered in the course with special reference to conditions encountered in a sub-tropical environment.

Family Medicine MFM6THY/6CLY

(29T-44P-60C-6W-16CP)

The course objectives focus on the principles of Family Medicine, the theoretical basis and the principles in action. In pursuit of these objectives, students are exposed to urban, rural and peri-urban settings, as well as a visit to hospice. Tutorials, seminars, case presentations, practical management/practice management are arranged at regular intervals during the course of the block. Guidance is provided by tutors assigned to specific modules. Students in rotation do a six week block in Family Medicine in the 6th year. Family Medicine is a promotional subject.

Forensic Medicine MFO4FMY

(14L-8S-17T-18P -35W-8CP)

The Forensic Medicine course (lectures, seminars, tutorials/post-mortem demonstrations) is designed to cover basic forensic pathology and the medico-legal aspects of clinical medicine. Emphasis is placed on the evaluation and reporting of injuries and the causes of unnatural deaths. The approach to medico-legal investigation of death and steps in reporting and registration of death are discussed. Finally, the role of health care workers in human rights

awareness including the documentation and prevention of human rights abuses is dealt with.

Medical Law & Ethics MFO5MLY (7L-1S-7W-8CP)

The Medical Law and Ethics course covers subjects such as the relationship between the doctor and patient; the duty to treat, consent to treatment, confidentiality, medical procedures, emergency treatment, malpractice, professional negligence, liability of persons and institutions, murder and culpable homicide, as well as legislation relating to abortion, sterilisation, child abuse, inquests, artificial insemination, blood transfusion and other human tissue issues; specific medico-legal issues such as death, dying and euthanasia, genetic manipulation and research, organ transplantation, disciplinary and other proceedings by the Medical Council, are also addressed.

General Surgery 1 MSU4SUY (10S1-30T-60W-48CP)

Twenty weeks in Surgery comprising ten weeks in General Surgery, with the remaining ten weeks equally divided between Paediatric Surgery, Casualty, Ophthalmology, Otorhinolaryngology and Urology. Lectures in General Surgery, Ophthalmology, Otorhinolaryngology, Orthopaedics, Urology, Maxillo-Facial Surgery, Physical Medicine and Neurosurgery. Ward clerking, tutorials and demonstrations in General Surgery and instruction in Orthopaedics, Radiology and Forensic Medicine.

General Surgery 2 MSU5THY/5CLY (L-8CP)

A three week block comprising one week in Orthopaedics and two weeks in Anaesthetics. Lectures in General Surgery, Plastic Surgery, Paediatric Surgery and Anaesthetics.

General Surgery 3 MSU6THY/6CLY (30T-30W-24CP)

A six week block comprising 1 week in Orthopaedic Surgery and five weeks in General Surgery including traumatology. The student is involved in the care of patients from admission to discharge in all aspects under supervision.

Haematology 2 (14L)

Haematology 3 (3S-20L)

Haematology 4 (4S-8L-32T)

Haematology 5 (1S)

Haematology 6 (5S-30T)

These courses deal with the disorders of the blood, blood-forming tissue and lymphatic areas covering both diagnostic and therapeutic aspects. Instruction is by lecture, seminars, tutorials, laboratory work and clinical demonstrations.

Introduction to Clinical Methods MME3ICY (22L-56T-24W-16CP)

Introductory Course in physical signs and symptoms. Students rotate through the Departments of Medicine, Obstetrics and Gynaecology, Paediatrics and Surgery.

Medicine 1 MME4MEY (24L-8S-60T-10W-24CP)

Lectures and clinical rotation. During the clinical block students:

1. attend clinical ward rounds, intakes and outpatient clinics
2. clerk patients in the medical wards
3. have tutorials in general medicine and haematology.

Medicine 2 MME5THY/CLY (32L-32S-48T-6W-24CP)

Lectures and clinical rotation. During the clinical block students:

1. attend clinical ward rounds, intakes and outpatient clinics.
2. clerk patients in the medical wards.
3. have tutorials in general medicine and dermatology.

Medicine 3 MME6THY/CLY (48T-24S-160C-6W-24CP)

During the sixth year students function as junior interns and are full time members of the clinical team. They participate in the management of patients under supervision on ward rounds and intakes and attend tutorials in general medicine, haematology and dermatology.

Medical Biology

Comprises two semesters DSB1MB1 AND DSB1MB2

Medical Biology DSB1MB1 (52L-13P-13T-13W-16CP)

Syllabus: Cell Biology: biological molecules, structure and function of prokaryotic and eukaryotic cells and viruses. **Histology:** methods of studying tissues, structure and function of four major tissue types (epithelial, connective, nerve and muscle). **Introduction to Human Physiology:** chemical bases of physiology, physiological forces, cellular metabolism, homeostatic control.

Assessment: one three-hour written examination, one practical examination and continuous assessment.

Prescribed:

Burkitt, H.G., Young, B. and Heath, J.W. (1993) *Wheater's Functional Histology*, Churchill Livingstone. (This book is also prescribed in second year).

Klug, W.S. and Cummings, M.P. (1996) *Essentials of Genetics*, 2nd Ed., Prentice Hall.

Recommended: Campbell, N.A. *Biology*, 2nd/3rd Ed., The Benjamin/Cummings Publishing Co., Inc. or any General Biology textbook for first year level.

Medical Biology DSB1MB2 (52L-13P-13T-13W-16CP)

Syllabus: Cellular Reproduction: life cycle, mitosis and meiosis. Introduction to Molecular Genetics: DNA replication, protein synthesis, genetics of bacteria and viruses. Parasitology: Biology and epidemiology of common parasitic diseases in South Africa. Population Genetics.

Assessment: one three-hour written examination, one practical examination and continuous assessment.

Prescribed: Guyton, A.C. (1992) *Human Physiology and Mechanisms of Diseases*, 5th Ed, W.B. Saunders. (This book is also prescribed in second year)

Recommended:

Fripp, P.J. (1983) *An Introduction to Human Parasitology with reference to South Africa*. Macmillan.

Medical Microbiology MMI3MIY (120L-25T-10P-38W-24CP)

The Microbiology syllabus in the third year includes the following:

Basic microbiology, microbial genetics, sterilisation and disinfection, anti-microbial therapy,

immunology, systematic bacteriology, virology, mycology and parasitology. Emphasis is placed on clinical, diagnostic and other medical aspects of microbiology, to provide a basis for future clinical practice and study in infectious diseases and their prevention.

Neurosurgery

(10L-10W)

The course, done in the fifth year, includes instruction on the following aspects:

Investigation of Neurological patients, raised intracranial pressure, intracranial infections, aneurysms and vascular lesions, hydrocephalus and congenital abnormalities, cerebral tumours, lesions of the spinal cord and spinal injuries, neurosurgical operative procedures, management and treatment of head injuries.

Obstetrics & Gynaecology 1 MOG4OBY

(8L-24T-8S-68P-3W-8CP)

Students in rotation do a three week block in Obstetrics and a block in Gynaecology in the fourth year.

During this time students will perform:

1. basic Obstetrics
2. have modules, tutorials and problem solving exercises in Obstetrics.
3. attend the outpatients clinics in Obstetrics (Antenatal Clinic and Family Planning Clinic)
4. clerk patients in Obstetrics and Gynaecology in the clinics and wards.
5. monitor patients in the labour ward.
6. attend two sessions in the Family Planning Clinic
7. attend selective operative theatre sessions.

In addition complete all procedures as stipulated in the Log Book.

Clinical examination at the end of the block includes a block assessment and an OSCE Theory examination at the end of the year.

Obstetrics & Gynaecology 2 MOG5THY/5CLY

(‘18L-72T-6S-530P-12W-32CP)

Students do a twelve week block in Obstetrics and a block in Gynaecology in rotation.

During this time students:

1. do Obstetrics and Gynaecology in their entirety.
2. have tutorials, modules and problem solving exercises in Obstetrics and Gynaecology.
3. attend clinics in Obstetrics (Antenatal Clinic) and in Gynaecology (outpatients, consultant special clinics)
4. clerk patients in Obstetrics and Gynaecology at clinics and in the wards.
5. monitor patients in the labour ward.
6. attend preselected operative theatre sessions.
7. attend a week in Community Obstetrics.

In addition complete all procedures as stipulated in the log book.

Obstetrics & Gynaecology 3 MOG6THY/6CLY

(0L-18T-0S-300P-6W-24CP)

During the sixth year students function as Junior Interns in Obstetrics & Gynaecology for a period of one block (6 weeks). During that time they are full-time members of the clinical team in both Obstetrics and Gynaecology.

In addition complete all procedures as stipulated in the log book.

Final examination at the end of the block

Ophthalmology

(18L-10T-10C-20W)

Formal lectures on the following:

The Acute Red Eye	(Lecture 1 and 2)
Slow Visual Loss	(Lecture 3 and 4)
Acute Visual Loss	(Lecture 5 and 6)
Abnormal Appearance	(Lecture 7)
Paediatric Conditions	(Lecture 7)
Squint and Abnormal Ocular Movements	(Lecture 8)

Attendance at Eye Out-Patients department, Eye Theatre and Ward Rounds complete the training.

Orthopaedic Surgery

(14L-16C-5W)

Fourth Year: A series of lectures, tutorials and practical bedside demonstrations covering the field of acute orthopaedic injuries and their treatment, as well as of orthopaedic reconstructive and paediatric orthopaedics, including the examination and radiological diagnosis of orthopaedic conditions.

Orthopaedic Surgery

(20L-16C-6W)

Fifth Year: A series of lectures, practicals and tutorials on important orthopaedic subjects, highlighting the common conditions and introducing the student to making practical decisions in the management of acute, traumatic and reconstructive orthopaedics.

Orthopaedic Surgery

(LO-80C-2W)

Sixth Year: A series of practicals and tutorials, integrating the student into the practical working of the Orthopaedic Department.

Otorhinolaryngology

(10L-20C-30W)

Tuition comprising lectures and clinical demonstrations in fourth year of study. There are 10 lectures and two weeks of intensive tutorials, seminars and clinical training.

Paediatrics 2 MPD5THY/5CLY

(12L-54T-8P-9S-9W-32CP)

The course comprises a series of modules over a period spent in different sections of the department. The modules provide a comprehensive clinical and theoretical framework to the curative, preventive and promotive aspects of child health and disease. The system covers learning of the core subjects in this speciality such as development, nutrition, infection, neonatology and systemic disorders; particular attention is paid to community paediatrics and to an integrated approach to maternal and child health. Students are offered the opportunity of learning common childhood diseases of the ear, nose, throat, eyes and skin. Throughout, the emphasis is on practical work at the bedside, combined with allocation of sufficient time to acquire theoretical knowledge. Regular guidance is provided by tutors. Self-learning is encouraged from beginning to the end of the course. Direct experience is gained in the paediatric wards, out-patients, neonatal nursery and other appropriate units. In addition formal lectures are given throughout the year. Students also participate in seminars in specifically chosen topics.

Paediatrics 3 MPD6THY/6CLY**(OL-6T-OS-180C-6W-24CP)**

The course consists of intensive practical training in the general Paediatric wards and the neo-natal unit, gastro unit, community orientated child care, as well as the Paediatric Out-Patient Department, supplemented by clinical tutorials. No formal lectures are given, but seminars and case presentations are arranged at regular intervals during the course of the block. Students are encouraged to undertake self learning exercises.

Pharmacology MPR3PHY**(64L-10T-36W-16CP)**

Lectures on the principles of Pharmacokinetics, Pharmacodynamics and Autonomic Pharmacology are followed by a detailed study of the use of medicines in the management (and prophylaxis) of disease states. Toxicology is also studied. Emphasis is on the safe and effective use of medicines.

Physics DSP1DMY**(48L-12T-8P-26W-16CP)**

This is a year course but with the content of a one semester course. It is an introductory non-calculus physics course with an emphasis on applications to medicine.

Syllabus: Introduction - 1. Physics and Medicine. 2. Review of Mechanics, 3. Overview of Physics A. Physics in the Human Body. 4. Fluids, 5. Limbs, 6. Nerves, 7. Ear, 8. Eye

B. The Environment of the Human Being. 9. Dynamics, 10. Heat, 11. The Atom,

12. The Nucleus.

Assessment: Two papers of two hours each. The marks are averaged to give a final exam result. A practical bonus of up to 3%, based on marks for practical reports, is added to the final percentage to give a final result. The supplementary exam is one three hour paper.

Prescribed Book: Jones & Childers *Contemporary College Physics*, 2nd Ed. Addison Wesley, 1993.

Physiology 1 (MPH1PA2)**(12L-3T-3P-13W-8CP)**

Overview of the basic principles of Physiology. Certain body systems will be studied in some depth in order to illustrate these principles and to develop an understanding of the importance of the basic sciences in the study of Medicine. Lectures, practical demonstrations and tutorials form the structure of the course.

Assessment:

Courses will be examined by written examination.

Physiology 2 (MPH2PHY)**(248L-68T-130P-34W-64CP)**

Including the divisions of Physiology, Biochemistry and Histology.

The functional ultrastructure, histology and organisation of tissues, organs and systems of the human body.

The chemical constitution of human tissues, body fluids and excreta and the physiochemical phenomena encountered in living organisms.

The chemistry and physical chemistry of enzyme action, digestion and intermediary metabolism.

The functions of tissues, organs and systems of the human body.

Clinical conditions are discussed with reference to their disturbance of normal processes.

Assessment: The year mark plus examination mark are added together to produce a final mark for each division. These final marks are then added together (50 per cent physiology,

25 per cent biochemistry, 25 per cent histology) to produce the final mark for the whole subject of Physiology. To pass the whole subject of Physiology a student must obtain a minimum of 50 per cent, A subminimum of 40 per cent in each division of the final and/or supplementary examination is also required for passing the final and/or supplementary examination.

Psychiatry 1 MPS4PSY

(40L-8CP)

Lectures for the year cover introduction to psychiatry, classification, symptomatology, psychiatric syndromes (including aetiology, clinical features, assessment and management), child psychiatry, treatment methods, and the special topics of suicide and the elderly patient.

Psychiatry 2 MPS5THY/5CLY

(10L-28T-28C-6W-24CP)

Lectures covering special topics in Psychiatry are delivered during the year. Students are required to do clinical training involving clerking of cases, attendance at ward rounds and grand rounds, and exposure to the management and treatment of psychiatric disorders within a general hospital setting. Tutorials cover material that is clinically relevant.

Psychiatry 3 MPS6THY/6CLY

(47T-C32-6W-16CP)

This course consists of clinical training during which students are expected to clerk patients and participate in the management and treatment of cases. Training takes place in a medium-term psychiatric facility. Tutorials on applied Psychiatry and case presentations emphasising practical management are conducted.

Radiology

Fourth Year: Lectures and Tutorials throughout the year.

(8T)

Fifth Year: Tutorials throughout the year

(20L-16T)

Radiotherapy and Oncology

Lectures in Radiotherapy and Clinical Oncology in fifth year.

Urology

(17L-100T-4S-20P-40W)

The course for the fourth year of study consists of lectures in Urology on the following topics:

Genito-urinary tract infection, obstructive uropathy, urological oncology, trauma of the genito-urinary tract, urinary calculi, renal failure and male sexual disorders.

Virology (Medical)

Medical Virology is presented as a component of the third year Medical Microbiology course. After an introduction which includes elementary basic Virology, the various medically important viruses are considered. Emphasis is placed on the epidemiology, pathogenesis and broad clinical features of virus infections and on their laboratory diagnosis, immunology, chemotherapy and prevention.

CLASSICS

Skills and Concepts for Medical Studies (DCL1SC1)

(52L-13T-13W-16CP)

A course designed to serve the needs of students in the Faculty of Medicine and other Faculties who need to acquire an understanding of medical and scientific language and concepts. The

course has four aims: the development of Greek- and Latin-based terminology and the study of key words and concepts that are regularly used in the medical and scientific professions; familiarity with contemporary issues in medical ethics; an awareness of the place of contemporary scientific and medical professions within the context of the history of medicine; and the practice of particular academic literacy skills appropriate to medicine and science.

Assessment: One 3 hour paper in June.

Prescribed Books: Thomas L. Stedman *Stedman's Medical Dictionary* Baltimore 1995 (26th edition) Principles of Biomedical Ethics Tom L. Beauchamp & James F Childress 4th ed Oxford University Press 1994

BACHELOR OF MEDICAL SCIENCE (HONOURS)

Medical Science 300

Prerequisite: Medical Science 200 or equivalent.

Medical Science 300 comprises two courses selected from:

MPH3BC1

MPH3BC2

MPH3HE1

MPH3HE2

MPH3HI1

MPH3HI2

Human Biochemistry 300

(MPH3BC1 & MPH3BC2)

(130L-26T-52P-26W-64CP)

Prerequisite: Human Biochemistry 200

Biochemical techniques: chromatography including, ion exchange, molecular exclusion, high performance liquid and affinity chromatography; electrophoresis; centrifugation and molecular biology. Further topics will be selected at the discretion of the head of department from the following: enzymology; immunochemistry; the biochemistry of biomembranes; and specialised biochemistry of the body, e.g., muscle and exercise biochemistry, vision, selected vitamins, and inborn errors of metabolism.

Human and Experimental Physiology 300

(MPH3HE1 & MPH3HE2)

(130L-26T-52P-26W-64CP)

Prerequisite: Human and Experimental Physiology 200

General human physiology with clinical application. Students will be expected to present several seminars and complete a short project.

Human Histology and Cellular Biology 300

(MPH3HI1 & MPH3HI2)

(130L-26T-52P-26W-64CP)

Prerequisite: Human Histology and Cell Biology 200

A practical course organised on the basis of tutorial sessions covering various topics in histology with a paramedical bias and cellular biology supported by a suitable lecture course.

There will also be a series of small projects in which students will gain practical experience in the preparation and study of some common histological and histochemical techniques, electron microscopy (transmission and scanning) and different forms of microscopy. Other specialised techniques may also be studied depending upon staff availability.

Honours in Medical Science (MPH7MS1 & 2)

(CP)

Prerequisite: Medical Science 300

Students will be admitted to this course only if they have demonstrated a sufficiently high standard of proficiency in their undergraduate courses. They will specialise in one of the subjects taken in the final undergraduate year and will follow an advanced course of study, which will include a common core programme together with specialist lectures, seminar presentation and a dissertation based on project work.

Statistics

Notes:

1. *Basic Statistics is a 2-credit introductory statistics course intended for non-mathematical students, and it is recommended that it be taken together with Mathematics A1 (DSMA1SA1) to give a combined total of 4 credits.*
2. *Credit cannot be obtained for both Basic Statistics 9DSMS1BS1) and Mathematical Statistics 1 (DSMS1MS2).*

University of Natal

General Prospectus

Student Rules

Other Faculty Handbooks Available

Faculty of Community and Development Disciplines (Durban)

Faculty of Engineering (Durban and Pietermaritzburg)

Faculty of Human Sciences (Durban)

Faculty of Human Sciences (Pietermaritzburg)

Faculty of Law (Durban and Pietermaritzburg)

Faculty of Management Studies (Durban)

Faculty of Medicine (Durban)

Faculty of Science (Durban)

Faculty of Science and Agriculture (Pietermaritzburg)