

**FACULTIES OF THE
UNIVERSITY OF PRETORIA**

HUMANITIES
NATURAL AND AGRICULTURAL SCIENCES
LAW
THEOLOGY
ECONOMIC AND MANAGEMENT SCIENCES
VETERINARY SCIENCE
EDUCATION
HEALTH SCIENCES
ENGINEERING, BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY

FACULTY OF HEALTH SCIENCES

School of Dentistry

- Community Dentistry
- Dental Management Sciences
- Maxillo-facial and Oral Surgery
- Odontology
- Oral Pathology and Oral Biology
- Orthodontics
- Periodontics and Oral Medicine
- Prosthodontics

School of Healthcare Sciences

- Human Nutrition
- Nursing Science
- Occupational Therapy
- Physiotherapy
- Radiography

School of Health Systems and Public Health

- Public Health Medicine

School of Medicine

- Aerospace Medicine
- Anaesthesiology
- Anatomical Pathology
- Anatomy
- Cardiology
- Cardiothoracic Surgery
- Chemical Pathology
- Clinical Epidemiology
- Dermatology
- Family Medicine
- Forensic Medicine
- Haematology
- Immunology
- Internal Medicine
- Medical Microbiology
- Medical Oncology
- Medical Virology
- Neurology
- Neurosurgery
- Nuclear Medicine
- Obstetrics and Gynaecology
- Ophthalmology
- Orthopaedics
- Otorhinolaryngology
- Paediatrics
- Pharmacology
- Physiology
- Plastic Surgery
- Psychiatry
 - Nelson Mandela Chair in
Philosophy and Ethics of Mental
Health
- Radiation Oncology
- Radiology
- Sports Medicine
- Surgery
- Urology

Centre for Sports Sciences: Sports Medicine Division

**SCHOOLS OF DENTISTRY, HEALTHCARE SCIENCES,
HEALTH SYSTEMS AND PUBLIC HEALTH,
MEDICINE**

CENTRE FOR SPORTS SCIENCES: SPORTS MEDICINE DIVISION

NELSON MANDELA CHAIR IN PHILOSOPHY AND ETHICS OF MENTAL HEALTH

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FACULTY OF HEALTH SCIENCES

**SCHOOLS OF DENTISTRY, HEALTHCARE SCIENCES,
HEALTH SYSTEMS AND PUBLIC HEALTH,
MEDICINE**

CENTRE FOR SPORTS SCIENCES: SPORTS MEDICINE DIVISION

AND THE

**NELSON MANDELA CHAIR IN PHILOSOPHY AND ETHICS OF
MENTAL HEALTH**

ACADEMIC PERSONNEL AS AT 30 JUNE 2011

DEAN

Prof. E. Buch
MBBch MSc(Med) DTM&H(Witwatersrand) FCH(SA)

DEPUTY DEAN

Prof. J.A. Ker
MBChB MMed(Int) MD(Pretoria)

SCHOOL OF DENTISTRY

DEAN/MANAGER

Prof. A.J. Ligthelm, MChD(Pretoria) PhD(Stellenbosch) FCPath(SA) OralPath MASSA

Department of Community Dentistry

Van Wyk, P.J., BSc MChD PhD Dip Publ Admin(Pretoria) Professor/
Head: Clinical
Department
(Head)

Ayo-Yusuf, O. A., BDS(Benin) Dip(Odont) DHSM MSc(Odont)
MPH(Pretoria) PhD(Maastricht) FCD(SA)..... Associate Professor/
Head: Clinical Unit

Kolisa, Y., BDS(Medunsa) MPH MDent(Witwatersrand) Senior Lecturer/
Specialist

Booyens, S.J., Dip(OH) MSc(Odont)(Pretoria)
BA(Unisa) Dip SpTher(NKP) Lecturer/Asst. Director:
Oral Hygienist

Du Bruyn, R.C., AdvDipOHyg DHETP BEd(Hons) MEd(Pretoria) Lecturer/ Asst. Director:
Oral Hygienist

Van Wyk, C., AdvDipOHyg Dip(Odont) MSc(Odont)(Pretoria) Lecturer/
Chief Oral Hygienist

Department of Dental Management Sciences

White, J.G., BChD(Hons) MBA(Stellenbosch) DTI PhD(Pretoria) Associate Professor/
Head: Clinical Unit

Postma, T.C., MChD DHSM(Pretoria)	Senior Lecturer/ Head: Clinical Unit
Ayo-Yusuf, I.J., BDS(Benin) Dip(Odont)(Pretoria) PDD MSc(Stellenbosch)	Lecturer/Dentist
Grove, J.T.K., BChD(Pretoria)	Lecturer/Dentist
Heymans, J.H., BChD(Pretoria).....	Lecturer/Dentist
Mostert, V.C., BChD(Western Cape).....	Lecturer/Dentist
Snyman, L., BChD Dip(Odont)(Pretoria) PDD(Stellenbosch) PGCHE(Pretoria)	Lecturer/Dentist
Swart, N., DipOH(WesternCape)	Lecturer/ Oral Hygienist

Department of Maxillo-Facial and Oral Surgery

Bütow, K-W., BSc(RAU) MChD(MaxFacOralSurg)(Stellenbosch) DrMedDent (Erlangen-Nürnberg) PhD DSc(Odont)(Pretoria) FC MFOS(SA).....	Professor/ Head: Clinical Department (Head)
Jacobs, F.J., BChD(Hons) MChD(MaxFacOralSurg) PhD(Pretoria) FC MFOS(SA).....	Associate Professor/ Head: Clinical Department
Roode, G.J., BChD MSc(Odont) Dip(Odont) (Oral Surg) Dip(Odont) (Radiol)(Pretoria)	SeniorLecturer/ Dentist
Dintcheva, P.M., MStomat DipDentSurg(Sofia, Bulgaria) Dip(Odont)(Pretoria).....	Lecturer/Dentist
Kotzé, M.J., BChD(Hons) MSc(Odont) Dip(Odont)(Pretoria)	Lecturer/Dentist
Syebele, K., DipMed DipDent DipMFSurg(Kinshasa, Congo) Dip(Odont)(Pretoria).....	Lecturer/Dentist

Department of Odontology

De Wet, F.A., BChD MDent, DTI DSc(Odont)(Pretoria)	Professor/ Head: Clinical Department (Head)
Dannheimer, M.F.G., BChD MDent DTI(Pretoria)	Emeritus Professor/ Stomatologist
Becker, L.H., MChD(Pretoria) HDipDent(Witwatersrand).....	Emeritus Professor
Van der Vyver, P.J., BChD Dip(Odont)(Aesthetic Dentistry) Dip(Odont)(Endodontics) MSc(Odont)(Pretoria)	Extraordinary Professor
Bookhan, V., BDS MDent(Prosth)(Medunsa)	Senior Lecturer/ Specialist
Brandt, P.D., BChD PDD(Stellenbosch) MSc(Odont)(Pretoria)	Senior Lecturer/ Stomatologist
Makobe, D.C., BDS(Medunsa) Dip(Odont)(Pedodontics)(Pretoria)	Lecturer/Dentist
Mfolo, T.B., BChD(WesternCape) PGDipDent(Aesthetic Dentistry)(Pretoria).....	Lecturer/Dentist
Nkambule, R.N. BDT BDS(Medunsa)	Lecturer/Dentist
Rossouw, N., BChD PGDipDent(Aesthetic Dentistry)(Pretoria)	Lecturer/Dentist
Warren, N., BChD PGDipDent(Endodontics)(Pretoria)	Lecturer/Dentist

Department of Oral Pathology and Oral Biology

Van Heerden, W.F.P., MChD(Pretoria) PhD(Medunsa) DSc(Odont)(Pretoria) FC Path(SA) OralPath MASSAf	Professor/ Head: Clinical Department (Head)
Boy, S.C., MChD(Pretoria)	Associate Professor/ Head: Clinical Unit
Swart, T.J.P., MChD MSc(Odont)(Pretoria)	Associate Professor/ Head: Clinical Unit
Bernitz, H., BChD MSc(Odont) PhD(Pretoria)	Extraordinary Professor
Hemmer, J., BSc MSc(Munster) PhD(Ulm)	Extraordinary Professor
Janse van Rensburg, E., MBChB(Pretoria) MMed(Virol) PhD(Witwatersrand) FCPath(SA) Virol DSc(Pretoria) MASSAf	Extraordinary Professor
Uys, A., BSc BChD Dip(Odont)(Pretoria)	Lecturer/Dentist
Fensham, R., DipRad(Diag) DipRad(Ther)(Pretoria) DipHOOP(Pretoria)	Lecturer/ Chief Radiographer
Maritz, M.P., DipRad(Diagn)(Pretoria)	Lecturer/ Chief Radiographer
Van der Linde, A., DipRad(Diagn)(Free State) HED(Unisa) NGSHO(Pretoria)	Lecturer/ Chief Radiographer

Department of Orthodontics

Dawjee, S.M., BChD(Western Cape) BChD(Hons) MSc(Odont)(Pretoria) MDent PhD(Medunsa) DGDip IRE(Cape Town)	Associate Professor/ Specialist (Acting Head)
Du Toit, A., MChD Dip(Odont)(Pretoria)	Senior Lecturer/ Specialist
Grobler, M., MChD(Pretoria) DDO RFPS(Glasgow)	Extraordinary Professor
Botha, P., MChD(Pretoria)	Extraordinary Professor
Suliman, M.F., BChD(Western Cape) Dip(Odont)(Pretoria)	Lecturer/Dentist
Motsepe, M. DipOH(Medunsa)	Lecturer/Oral Hygienist

Department of Periodontics and Oral Medicine

Van Zyl, A.W., MChD(OMP)(Stellenbosch)	Associate Professor/ Head: Clinical Department (Head)
Bergmann, F.J., DrMedDent(Oral Surg)(Mainz)	Extraordinary Professor
Lohse, P.J., BDS HDipDent (Witwatersrand)	Extraordinary Professor
Masilana, A.I., BSc BDS(Medunsa)	Lecturer/Dentist
Buitendach, M.P., AdvDipOHyg DTI(Pretoria)	Lecturer/ Chief Oral Hygienist

Department of Prosthodontics

Dullabh, H.D., BChD(Western Cape) MSc(Dentistry) MDent(Prosth)(Witwatersrand)	Associate Professor/ Head: Clinical Department (Head)
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Sykes, L.M., BSc(Dent) MDent(Witwatersrand)	Associate Professor/ Principal Specialist
Ismail-Vally, Z., BDS MDent(Witwatersrand)	Senior Lecturer/ Specialist
Van den Heever, J.H., MChD(Pretoria)	Senior Lecturer/ Specialist
Lowe, L.G., BDS MSc(Dent)(Witwatersrand)	Lecturer/Dentist
Van der Merwe, L., BChD(Pretoria)	Lecturer/Dentist

School Administration

Snyman, W.D., MChD(Prost) MChD(CommDent) PhD DTVG DTI(Pretoria)	Programme Manager: Education
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SCHOOL OF HEALTHCARE SCIENCES

Chairperson:

Prof. A.J. van Rooijen, BSc(PhysT) MSc(PhysT) DTI(Free State)
TED(PhysT) PhD(Pretoria)

Department of Human Nutrition

Gericke, G.J., BSc(Diet)(Hons) MDiet(Pretoria) DipHospDiet(Free State) DTI(Potchefstroom)	Senior Lecturer (Head)
Ladzani, R., BSc(Diet) M.Public Health PhD	Senior Lecturer
Wenhold, F.A.M., BSc(Diet)(Hons) DipHospDiet MDiet PhD(Pretoria)	Senior Lecturer
White, Z., PhD(North-West Univ).....	Senior Lecturer
Kemp, J.E., BDiet MDiet(Pretoria)	Lecturer
Viviers, C.M., DipHospDiet BSc(Diet)(Hons) MDiet(Pretoria).....	Lecturer
Kotze, V., BDiet(Pretoria).....	Junior Lecturer

Department of Nursing Science

Mulaudzi, F.M., BCur BCur(Hons) MCur DLitt et Phil(Unisa) Dipl in International Health Research Ethics(Cape Town)	Associate Professor (Head)
Van Wyk, N.C., MSocSc(CommHealth) PhD(Free State)	Associate Professor
Du Rand, E.A., MCur(NursAdm)(Pretoria) DipNursEd	Senior Lecturer
Heyns, T., BSocSci(Hons) MCur(Trauma)(Pretoria) DLitt et Phil(Unisa)	Senior Lecturer
Leech, R., MECI PhD(Pretoria)	Senior Lecturer
Maree, C.M., MCur(Prof Pract)(Johannesburg) PhD(Pretoria).....	Senior Lecturer
Peu, M.D., BCur(Hons)(Pretoria) MA(Cur)(CommNurs)(Unisa) PhD(Pretoria)	Senior Lecturer
Coetzee, I.M., BCur(I et A)(Pretoria) MCur(NursEd)(RAU) DLitt et Phil(UNISA).....	Lecturer
Digamela, R., MCur(Midwifery)(Pretoria).....	Lecturer
Engelbrecht, N., BACur(Hons) MPhil(Unisa)	Lecturer
Filmalter, C.J., BCur(I et A) MCur(Clinical)(Pretoria)	Lecturer
Janse van Rensburg, E., MCur(PsychNurs)(Johannesburg)	Lecturer
Maredi, R.M., MPA BACur(Hons)(Pretoria) BACur(UNISA)	Lecturer
Mataboge, S., MA(Cur)(CommNurs)(Unisa)	Lecturer

Masenya, M.L., MSc(Nursing)(Witwatersrand).....Lecturer
 Phiri, S.S., MCur(Stellenbosch)Lecturer
 Rossouw, S.C., BCur(Hons)(Pretoria) DipNursEd.....Lecturer
 Yazbek, M., BA(Cur)(UNISA) Adv. Midwifery MCur(Johannesburg).....Lecturer

Department of Occupational Therapy

De Beer, M., NatDipOccTher DipEdTherVoc MOccTher(Pretoria)
 PhD(Medunsa)Senior Lecturer/
 (Head)
 Aronstam, M.C., Nat Dip(OccTher) DipEd OccTher(Pretoria)
 BA(Unisa) MOccTher(Pretoria)Lecturer
 Balbadhur, R., BOccTher(UDW).....Lecturer
 Bekker, B.M., BOccTher(Pretoria)Lecturer
 Buys, T.L., BOccTher(Free State) BOccTher(Hons)
 MOccTher(Pretoria)Lecturer
 Du Plessis, A.M., Nat Dip(OccTher) DipEd OccTher(Pretoria)
 BA(Unisa) MOccTher(Pretoria)Lecturer
 Engelbrecht, L.H., Nat Dip(OccTher) BOccTher(Hons)
 MOccTher DTI(Pretoria).....Lecturer
 Kruger, A.E., Nat Dip(OccTher) BOccTher(Hons)
 MOccTher DTI (Pretoria).....Lecturer

Department of Physiotherapy

Van Rooijen, A.J., BSc(PhysT) MSc(PhysT) DTI(Free State)
 TED(Phys) PhD(Pretoria).....Associate Professor
 (Head)
 Eksteen, C.A., BSc(PhysT)(Stellenbosch) MEd(Unisa)
 PhD(Pretoria) DTI.....Senior Lecturer
 Korkie, F.E., BSc(Phys) MPhysT(Pretoria).....Lecturer
 Marais, A.M., Dip(PhysT) MPhysT(Pretoria) DTI(Free State)Lecturer
 Mostert, K., BSc(PhysT)(Free State) MPhysT MBA(Pretoria)Lecturer
 Mothabeng, D.J., BSc(PhysT)(Medunsa) MPhysT PhD DTI(Pretoria) ..Lecturer
 Sihlali, B.H., BSc(PhysT)(Medunsa) MPhysT(Pretoria).....Lecturer
 Silmara, H., BSc(Phys)(Brazil) MSc(Witwatersrand)Lecturer
 Tshabalala, M., BSc(Phys)(Cape Town) MSc(Witwatersrand).....Lecturer
 Van der Spuy, A.A., Dip(PhysT)(Free State)Lecturer

Department of Radiography

Makanjee, C.R., DipRad(Diag)(Johannesburg) DipNurseryEd(Unisa)
 DipTherEd BRad(Hons) MRad(Diag)(Pretoria)Senior Lecturer/
 (Head)
 Mathurine, G.T., DipRad(Diagn) DipRad(Ther)
 AdvDipEd:Rad(Cape Town) Higher DipRad(Diag)
 DipRadTher(D.I.T).....Senior Lecturer
 Ahrens, E., BRad BRad(Hons)(Pretoria)Lecturer
 Kekana, R.M., BRad(Diag)(Medunsa) BAdmin(Unisa)
 DipTherEd BRad(Hons)(Pretoria) MTech(Ed)(Johannesburg)Lecturer
 Seane, E.N., BRad(Diag)(Medunsa) BRad(Ther)(Hons)(Pretoria)
 Postgr Course in Radiobiology (CPUT)Lecturer
 Sethole, K.M., BRad(Diag)(Medunsa) NatH.DipNuclMed(Natal Techn)
 BRad(Hons)(Pretoria)Lecturer

SCHOOL OF HEALTH SYSTEMS AND PUBLIC HEALTH

Chairperson:

Prof C de Jager, BSc(Hons) MSc(Free State) PhD(Pretoria) Post Doct (Laval)

De Jager, C., BSc(Hons) MSc(Free State) PhD(Pretoria) Post Doct (Laval).....	Associate Professor (Chairperson)
Rheeder, P., MBChB MMed(Int)(Pretoria) MSc(Clin Epi)(Rotterdam) PhD(Utrecht)	Professor: Clinical Epidemiology
Voyi, K.V.V., BSc(Fort Hare) BSc(Hons) MSc PhD(Cape Town)	Associate Professor
Bamford, L.J., BSocSci(Hons) MBChB(Cape Town) DrPH(London School of Hygiene and Tropical Medicine).....	Extraordinary Professor
Bornman, M.S., MBChB DSc(Pretoria) MD(Free State) PrSciNat	Extraordinary Professor
Girdler-Brown, B.V., BSc(Agric)(Natal) MBChB(Rhodesia) MBA MMed(Cape Town)	Extraordinary Professor
Hendricks, S.J.H., BChD(Western Cape) MSc(London) MPH MPA PhD(Harvard)	Extraordinary Professor
Röllin, H.B., MSc(Adam Mickiewicz Univ) PhD(Witwatersrand)	Extraordinary Professor
Stoltz, A.C., BSc(Hons) MSc MBChB PhD(Pretoria).....	Extraordinary Professor
Terblanche, A.P.S., BSc BSc(Hons) MSc DSc(Pretoria) Post Doct(Harvard)	Extraordinary Professor
Van Ginneken, J., PhD(Netherlands Interdisciplinary Demographic Institute)	Extraordinary Professor
Westaway, M.S., PhD(Witwatersrand)	Extraordinary Professor
Whittaker, S., BSc UED MBChB FFCH(CM) SA MMed MD	Extraordinary Professor
Claassen, N., BSc MSc(Potchefstroom) PhD(Pretoria).....	Extraordinary Lecturer
Harris, B.N., MBChB MMed(CommHealth)(Pretoria)	Extraordinary Lecturer
Costa-Black, K.M., BSc(Salvador) MSc(New York) PhD(Montreal)	Extraordinary Lecturer
McCrinkle, S.M.E., BVSc(Hons) PhD(London)	Extraordinary Lecturer
Miot, J.K., BPharm(Rhodes) PhD(London)	Extraordinary Lecturer
Moonasar, D., MSc DrPH(London).....	Extraordinary Lecturer
Robinson, F., MBChB(Witwatersrand) MMed(Natal).....	Extraordinary Lecturer
Rossouw, T.M., MBChB MPhil(Stellenbosch) MPH(Pretoria)	Extraordinary Lecturer
Stoltz, A.C., BSc(Hons) MSc MBChB PhD(Pretoria).....	Extraordinary Lecturer
Tint, K.S., MB BS MMedSc(Rangoon) MPH(Hebrew) MSc(Med)(Witwatersrand)	Extraordinary Lecturer
Wichmann, J., MSc(Med)(Cape Town) MSc PhD(Pretoria)	Extraordinary Lecturer
Zuma, K., BSc(Ed)(Vista) MSc(Hasselt) PhD(Waikato)	Extraordinary Lecturer
Beke, A., MBChB(Ghana) MMed(CommHealth)(Medunsa) DTM&H DPH DHSM DOH(Witwatersrand).....	Senior Lecturer
Rendall-Mkosi, K., BSc(OT) MPH PhD(Western Cape)	Senior Lecturer/ Research Coordinator
Senkubuge, F., MBChB MMed (Community Health)(Pretoria) FCPHM(SA)	Senior Lecturer
Wolvaardt, J.E., BCur MPH(Pretoria)	Senior Lecturer
Dzikiti, L., BSc(Hons)(Zimbabwe) MSc(Pretoria).....	Lecturer
Webb, E.M., BSc(Agric)(Genetics) MPH(Pretoria)	Lecturer

Department of Public Health Medicine

Matjila, M.J., MBChB MMed(Natal)	Professor/ Head: Clinical Dept (Head)
--	---

Louwagie, G.M.C., MD(Louvain) DTropMed(Antwerp) DHM(Free State) FPHM(SA) MMed(CommHealth)(Free State).....	Senior Lecturer/ Medical Specialist
Hyera, F.L.M., Dip Clinical Med(Mwanza) MD(Dar-Es-Salaam) MSc(Comm Health) MMed(Comm Health)(Pretoria) Dip Obs&Gyn(Vienna) DTM&H DOM&H(Pretoria)	Senior Lecturer/ Specialist
Moodley, S.V., MBChB(Cape Town) DMH(SA) MMed(Publ HealthMed) DTM&H DOMH(Pretoria)	Senior Lecturer/ Specialist

SCHOOL OF MEDICINE

Deputy Dean:

Prof. B.G. Lindeque
MBChB(Pretoria) MMed(O et G) MD(Stellenbosch)
GKOG(SA) M.Akad.SA

GENERAL

Nelson Mandela Chair in Philosophy and Ethics of Mental Health

Van Staden, C.W., MBChB MMed(Psych)(Pretoria) MD(Warwick) FCPsych(SA) FTCL(London) UPLM(Unisa)	Professor/Head
Fulford, K.W.M., MB BChir MA(Cambridge) MA DPhil(Oxon) PhD(London) FRCP FRCPsych	Extraordinary Professor

Aerospace Medicine Division

Murray, P.W.L., MBChB BSc BSc(Hons)(Aerospace Med)(Pretoria) BEng(Stellenbosch) BSc(Eng)(Hons) DHA(Pretoria).....	Extraordinary Lecturer (Head)
Bedford, R.W., MBChB BSc(Hons)(Aerospace Med)(Pretoria).....	Lecturer/Medical Officer

Sports Medicine Division

Janse van Rensburg, D.C., MBChB MSc(Sports Medicine) MMed(MedPhys)(Pretoria)	Senior Lecturer (Head)
Cele, P., MBChB(Cape Town).....	Lecturer
Grant, C.C., Nat Dip Analyt Chem(TUT) BSc(Unisa) BSc(Hons) MSc(Pretoria).....	Lecturer
Andrew, J.M.G., BSc(Indiana) MBChB FAAP(Alabama).....	Extraordinary Lecturer
Collins, R.M., MBChB MSc(Sports Medicine)(Pretoria).....	Extraordinary Lecturer
Mpe, M., MBChB MMed (Int Med)(Medunsa) FCP (SA)	Extraordinary Lecturer
Oschman, Z., MBChB(Pretoria) DCH(SA) MSc(Sports Medicine)(Pretoria)	Extraordinary Lecturer
Patricious, J., MBCh(Witwatersrand) MMedSci(Sheffield)	Extraordinary Lecturer
Strauss, G.L., MBChB (Free State)	Extraordinary Lecturer
Velleman, M.D., MBChB MMed(Rad)(Pretoria) FCRad(SA)	Extraordinary Lecturer

Department of Anatomy

Bosman, M.C., BMedSci(Pretoria) BSc(Med)(Hons) MSc(Med) PhD(Medunsa)	Associate Professor (Acting Head)
Steyn, M., MBChB(Pretoria) PhD(Witwatersrand).....	Professor
Bester, M.J., BSc MSc(Pretoria) PhD(Witwatersrand)	Associate Professor

Carmichael, S.W., AB(Biology)(Kenyon Coll, Ohio) PhD(Tulane Univ, New Orleans)	Honorary Professor
Maat, G.J.R., MBChB MD PhD(Leiden)	Honorary Professor
Abrahams, P.H., MBBS(Middlesex Hospital, London)	Extraordinary Professor
Briers, N., BSc(Stellenbosch) MSc DTI(Pretoria)	Senior Lecturer
L'Abbé, E.N., MA(Phys Anthr) (Louisiana State Univ) PhD(Pretoria)	Senior Lecturer
Navsa, N., BSc(Western Cape) MSc(Witwatersrand) PhD(Pretoria)	Senior Lecturer
Oettlé, A.C., MBChCh(Witwatersrand) MSc(Anat) DTI(Pretoria).....	Senior Lecturer
Van Schoor, A.A., BSc(MedSci) BSc(Hons) MSc(Anat) PhD(Pretoria)	Senior Lecturer
Asvat, R., BSc(Hons)(Natal) MSc(Witwatersrand)	Lecturer
Jacobs, C.J., BSc(Hons)(Anat) Dip Museology DTI(Pretoria)	Lecturer
Keough, N., BSc(MedSci) BSc(Hons) MSc(Anat)(Pretoria)	Lecturer
Oberholtzer, N., BSc(Hons) MSc PhD(Pretoria).....	Lecturer
Van Der Spuy, W.J., BSc(Hons) MSc(Pretoria).....	Junior Lecturer
Human, R., BSc(Hons)(Pretoria)	Junior Lecturer
Serem, J., BSc(Hons) MSc(Pretoria).....	Assistant Lecturer
Shanahan, D., PhD(NUI, Galway)	Extraordinary Lecturer

Department of Anatomical Pathology

Louw, M., MBChB MMed(Path)(Pretoria)	Senior Lecturer/ Principal Specialist (Head)
Davel, G.H., MBChB(Pretoria) MMed(AnatPath)(Medunsa) Dip Forens Med(SA)	Senior Lecturer/ Senior Specialist
Dinkel, J.E., MBChB MMed(Path)(Pretoria) DA(SA)	Senior Lecturer/ Senior Specialist
Campaini, C., MBChCh(Italy) MMed(AnatPath)(Medunsa)	Senior Lecturer/ Senior Specialist
Bekker, E., MBChB MMed(Path)(Pretoria)	Lecturer/ Senior Specialist
Eyal, P., MBChB MMed(Path)(Pretoria)	Lecturer/ Senior Specialist
Kgoebane, M.W., MBChB(Path)(Pretoria).....	Lecturer/Specialist

Department of Anaesthesiology

Rantloane, J.L.A., MBChB MMed(Anaes)(Medunsa).....	Professor/ Head: Clinical Dept (Head)
Fourie, P.J.H.L., MBChB MMed(Anaes)(Pretoria) GKN(SA).....	Professor/ Head: Clinical Unit
Milner, A., MBChCh(Witwatersrand) MPharmMed(Pretoria) MMed(Anaes)(Pretoria) GKN(SA) FRCP(Alberta) LMCC(Canada)	Adjunct Professor/ Head: Clinical Unit
Smith, F.J., BSc(Pharm)(Potchefstroom) MBChB MMed(Anaes) MD(Pretoria) GKN(SA) UVLM(SA) FTCL.....	Adjunct Professor/ Head: Clinical Unit
Alberts, A.N.J.D., MBChB MMed(Anaes)(Pretoria) DA(SA) DipPEC(SA) GKN(SA)	Senior Lecturer/ Principal Specialist

Nel, M.S., MBChB(Pretoria) MMed(Medunsa)	Senior Lecturer/ Principal Specialist
De Bruin, J.C., MBChB MMed(Anaes)(Pretoria) DA DipPEC(SA)	Senior Lecturer/ Medical Specialist
Schutte, H., MBChB MMed(Anaes)(Pretoria)	Senior Lecturer/ Medical Specialist
Brandl, A., MBChB MMed(Pretoria) DA(SA)	Lecturer/ Medical Specialist
Dippenaar, J.M, MBChB MMed(Anaes)(Pretoria) DA DObst(SA)	Lecturer/ Medical Specialist
Möhr, D., MBChB MMed(Pretoria) DA(SA)	Lecturer/ Medical Specialist
Naidoo, S., MBChB MMed(Pretoria) DA(SA)	Lecturer/ Medical Specialist
Nienaber, L.N., MBChB MMed(Pretoria) DA(SA) FCA(SA)	Lecturer/ Medical Specialist
Noëth, I., MBChB MMed(Pretoria) DA(SA)	Lecturer/ Medical Specialist
Papaikononou, S., MBChB MMed(Anaes)(Pretoria) DA(UK)	Lecturer/ Medical Specialist
Siyaka, G., MBChB MMed(Pretoria) DA(SA)	Lecturer/ Medical Specialist
Spijkerman, S., MBChB MMed(Anaes)(Pretoria) DA(SA)	Lecturer/ Medical Specialist
Voigt, M., MBChB MMed(Pretoria) DA(SA) FCA(SA)	Lecturer/ Medical Specialist

Department of Cardiology

Sarkin, A.I., MBBCh(Witwatersrand) FCP(SA)	Professor/ Head: Clinical Department (Head)
Adeyemo, A.O., MBBS MCFP(SA) FCP(SA)	Lecturer/ Medical Specialist
Mayayise, M.C., MBChB(Natal) MMed(Int)(Medunsa) FCP(SA)	Lecturer/ Medical Specialist
Motaung, J., MBChB(Medunsa) FCP(SA) CertCard Phys	Lecturer/ Medical Specialist

Department of Chemical Pathology

Oosthuizen, N.M., MBChB(Pretoria) FCPPath(SA)(Chem)	Senior Lecturer/ Principal Specialist (Acting Head)
Kiabilua, Z.M.O., BSc MD(Kinshasa) FCPPath(SA)(Chem)	Senior Lecturer/ Senior Specialist
Van Niekerk, C., MSc(Free State) PhD(Pretoria)	Lecturer/ Medical Scientist

Department of Family Medicine

Hugo, J.F.M., MBChB MFamMed(Free State)	Professor/ Head: Clinical Department (Head)
Meyer, H.P., MBChB MPraxMed(Pretoria) MFGP(SA) FCFP(SA)	Professor/ Head: Clinical Unit

Delport, R., BA et Scien(Nursing)(Potchefstroom) BCur(IntCare)(Hons) MSc(Physiol) PhD MEd(Computer-integrated Education)(Pretoria)	Associate Professor
Cameron, D.A., MBChB(Cape Town) MPraxMed(Medunsa) MPhil(PallMed)(Cape Town)	Adjunct Professor/ Senior Medical Specialist (Part-time)
Smith, S., MBChB(Free State) MPraxMed(Pretoria) Fellow: Royal Society of Tropical Medicine and Hygiene	Adjunct Professor/ Senior Medical Specialist
Marcus, T.S., BSc(Econ)(London School of Economics) MSc PhD(Lodz, Poland)	Extraordinary Professor
Engelbrecht, A., MBChB MMed(FamMed)(Pretoria) DA(SA) DipPEC(SA)	Senior Lecturer/ Head: Clinical Unit (Emergency Medicine)
Bondo, C., MBChB(Congo) MMed(FamMed)(Pretoria).....	Senior Lecturer/ Head: Clinical Unit
Ukpe, I.S., MBBCh(Calabar) DTM&H(London) MMed(FamMed)(Pretoria) FACTM(Australia).....	Senior Lecturer/ Head: Clinical Unit
Heystek, M.J., MBChB MPraxMed(Pretoria)	Senior Lecturer/ Head: Clinical Unit
Britz, E.N., MBChB MPraxMed(Pretoria).....	Senior Lecturer/ Senior Family Physician
Geyser, M.M., BSc(Computer Sci) MSc(Kliniese Epidemiologie) MBChB MPraxMed(Pretoria) BSc(Pharm)(Hons) (Potchefstroom) DipPEC(SA) FCEM(SA)	Senior Lecturer/ Senior Family Physician
Zele, N.P., MBChB(Transkei) MFamMed(Free State).....	Senior Lecturer/ Senior Medical Specialist
Chundu, R.C.M., BSc MBChB(Zambia) MMed(FamMed)(Pretoria)	Senior Lecturer/ Medical Specialist
Kenny, P.T., MBChB MPraxMed(Pretoria) Dip (Pall Med)(Cape Town).....	Senior Lecturer/ Medical Specialist
Lachowicz, R., MD(Poland) MMed(FamMed)(Pretoria)	Senior Lecturer/ Medical Specialist
Tiamiyu, M.Y., MBBC(Lagos) DipObs(SA) BSc(Stellenbosch) MMed(FamMed)(Medunsa)	Senior Lecturer/ Medical Specialist
Duvenage, H.S., MBChB MMed(FamMed)(Pretoria)	Senior Lecturer
Ibeziako, O.J., MBBS(Nigeria) MMed(Family Medicine)(Pretoria)	Senior Lecturer
Oosthuizen, S.J., MBChB MMed(FamMed)(Pretoria)	Senior Lecturer
Peters, F., MBChB(Pretoria) MFamMed(Free State) SGR(Unisa).....	Senior Lecturer
Rauf, W., BSc MBBS(Punjab) DipPEC(SA) MMed(FamMed)(Pretoria).....	Senior Lecturer

Van Rooyen, M., MBChB MMed(FamMed)(Pretoria).....	Senior Lecturer
Hoffeldt, A., MBChB(Pretoria).....	Lecturer/ Medical Specialist
Kuther, A., MBChB(Pretoria)	Lecturer/ Medical Specialist
Rossouw, T.M., MBChB MPhil(Stellenbosch)	Lecturer/ Medical Specialist
Hitchcock, S., MBChB(Cape Town) MPraxMed(Pretoria) Dip(Pall Med)(Cape Town)	Lecturer/ Family Physician
Firmin, C., MBChB(Medunsa).....	Lecturer
Joubert-Bultman, S.J., MBChB(Pretoria).....	Lecturer
Mokone, D.N., MBChB(Kwazulu-Natal) MMed (Fam Med)(Medunsa) ..	Lecturer
Rautenbach, A., MBChB(FreeState)	Lecturer
Reinbrecht-Schütte, A., MBChB MMed(Fam Med)(Pretoria)	Lecturer
Terblanche, T., MBChB(Cape Town) Dip Adv Management(FDP)	Lecturer
Venaygamoorthy, M.M., MB BS BSc(Biology)(East Yangon Univ)	Lecturer

Department of Forensic Medicine

Saayman, G., MBChB MMed(Path:MedForens)(Pretoria) FCForPath(SA)	Professor/ Head: Clinical Department (Head)
Rossouw, S.H., MBChB MMed(Path:MedForens) MA(Pretoria)	Senior Lecturer/ Head: Clinical Unit
Blumenthal, R., MBChB MMed(Path:MedForens)(Pretoria) LKForensPath(SA) DipForensMed(SA)	Senior Lecturer/ Medical Specialist
Du Toit-Prinsloo, L., MBChB MMed(Path:MedForens)(Pretoria) DipForensMed(SA)(Pat).....	Lecturer/ Medical Specialist
Gräbe, S., MBChB(Pretoria) DTM DCH	Lecturer (Part-time)
Kelbrick, L.M., BA LLB(Pretoria)	Lecturer (Part-time)
Carstens, P.A., BLC LLB LLD(Pretoria).....	Extraordinary Lecturer
Guruparsad, K., MBChB MMed(Path:AnatPath)(Pretoria) LKPath(SA)	Extraordinary Lecturer

Department of Haematology

Pool, R., MBChB(Pretoria) MMed(Haemat)(Medunsa)	Adjunct Professor/ Chief Specialist (Head)
Swart, A.M., MBChB MPraxMed MMed(Path:Haemat)(Pretoria).....	Senior Lecturer/ Principal Specialist
Moodley, V., MBChB(Cape Town) MMed(Haemat)(Medunsa)	Senior Lecturer/ Senior Specialist
Potgieter, J.J.C., MBChB MMed(FamMed) MMed(Path:Haemat)(Pretoria)	Senior Lecturer/ Senior Specialist
Ntabeni, N.L., MBChB MMed(Fam Med) MMed(Path:Haem)(Pretoria).....	Lecturer/Specialist

Department of Immunology

Anderson, R., BSc(Hons)(Glasgow) MSc PhD(Witwatersrand).....	Professor/ Chief Specialist (Head)
Theron, A.J., BSc MSc PhD(Pretoria) THED.....	Associate Professor/ Principal Specialist
Cassol, S.A., BSc(Hons) MSc(Queens Univ) PhD(McGill, Canada)	Extraordinary Professor
Oickers, A., BSc MSc PhD(Pretoria)	Extraordinary Professor
Pepper, M.S., MBChB(Cape Town) PhD MD (Geneva).....	Extraordinary Professor
Van der Merwe, S.W., MBChB MSc(Physiol)(Pretoria).....	Extraordinary Professor
Cholo, M.C., BSc(Hons) MSc(Univ of the North) PhD(Pretoria).....	Extraordinary Lecturer
Frenkel, L.M., BA MD(Kansas)	Extraordinary Lecturer
Ndlovu, BSc(Hons) MSc(Cape Town) PhD(Ghent)	Extraordinary Lecturer
Steel, H.C., BSc(Hons) MSc(Rhodes) PhD(Pretoria).....	Extraordinary Lecturer
Cockeran, R., BSc(Free State) BSc(Hons)(RAU) MSc PhD(Pretoria) ..	Senior Lecturer/ Medical Specialist

Department of Internal Medicine

Ker, J.A., MBChB MMed(Int) MD(Pretoria).....	Professor/ Chief Specialist Acting Head: Clinical Department
Retief, J.H., MMed(Int)(Pretoria).....	Professor/ Head: Clinical Unit
Ally, M.M.T.M., MBCh(Witwatersrand) Rheumat FCP(SA).....	Associate Professor/ Head: Clinical Unit
Visser, S.S., MMed(Int) PhD (Pretoria).....	Associate Professor/ Head: Clinical Unit
Tintinger, G.R., MBCh(Witwatersrand) MMed PhD(Pretoria)	Associate Professor/ Principal Specialist
Potgieter, C.D., MMed(Int)(Pretoria).....	Adjunct Professor/ Head: Clinical Unit
Van Zyl, D.G., MMed(Int)(Pretoria) FCP(SA)	Adjunct Professor/ Principal Specialist
Stoltz, A.C., MBChB MMed(Int) BSc(Hons) MSc PhD(Pretoria)	Extraordinary Professor
Nagel, G.J., MMed(Int)(Pretoria) DTH	Senior Lecturer/ Principal Specialist
Elnagar, A.A., MBChB(Univ Khartoum, Sudan) FCP(SA) MRCP(UK).....	Senior Lecturer/ Senior Medical Specialist
Kemp, T., MBChB MMed(Int)(Pretoria) Cert Endocrinology & Merab(SA).....	Senior Lecturer/ Senior Medical Specialist
Levay, P., MMed(Int)(Pretoria)	Senior Lecturer/ Senior Medical Specialist
Ribeiro Da Costa, M.M., MBChB(Pretoria) MMed(Int)(Witwatersrand)	Senior Lecturer/ Senior Medical Specialist

Sommers, R., MMed(Int) MPharmMed(Pretoria).....	Senior Lecturer/ Senior Medical Specialist
Bierman, H., MBChB MMed(Int)(Pretoria)	Lecturer/ Medical Specialist
Bösenberg, L.H., MBChB MMed(Int)(Pretoria).....	Lecturer/ Medical Specialist
Delport, E.F., MBChB MMed(Int)(Pretoria).....	Lecturer/ Medical Specialist
Ellimden, S., MMed(Int)(Pretoria)	Lecturer/ Medical Specialist
Kalpee, R., MBChB MMed(Int)(Pretoria)	Lecturer/ Medical Specialist
Mostert, C.J., MBChB MMed(Int)(Pretoria).....	Lecturer/ Medical Specialist
Louw, D., MPharmMed(Pretoria)	Junior Lecturer/ Principal Medical Officer

Dermatology Division

Moche, M.J., MBChB(Natal) MMed(Derm)(Witwatersrand) FCDerm(SA)	Senior Lecturer/ Head: Clinical Dept (Head)
Wentzel, L.F., BSc MBChB MMed(Med)(Pretoria)	Senior Lecturer/ Senior Medical Specialist
Tenea, D., MD(Bucharest) MBChB MMed(Derm)(Pretoria)	Lecturer/Medical Specialist

Department of Medical Microbiology

Hoosen, A.A., MSc MBChB MMed(Natal) FCPATH.....	Professor/Chief Specialist (Head)
Ehlers-Van der Zel, M.M., BSc(Agric) BSc(Agric)(Hons) MSc(Agric) PhD(Pretoria) Post Doct (2 years).....	Associate Professor
Dove, M.G., MBChB(Pretoria) MMed(Path:Microb)(Free State)	Emeritus Professor
Fourie, P.B., MSc(Zoology)(Pretoria) PhD(Witwatersrand)	Extraordinary Professor
Ahmed, K., BSc(Westville) MBChB(Natal) MMed(Micro)(Medunsa) FCPath(Micro)	Senior Lecturer/ Specialist
Baba, K., MBBS DTM & H (Witwatersrand) FCPATH(Micro) MMed(Micro)(Medunsa) PhD(Bergen)(Norway)	Senior Lecturer/ Specialist
Ismail, N.A., MBChB FCPATH(Micro) MMed(Micro)(Medunsa) DTM&H(Witwatersrand) PDIC(Stellenbosch)	Senior Lecturer/ Specialist
Lekalakala, M.R., BSc(Micro) MBChB(Medunsa) MMed(Micro)(Univ of Limpopo: Medunsa) DTM&H(Witwatersrand) PDIC(Stellenbosch)	Senior Lecturer/ Specialist
Osman, E., MSc(Pharmacology) MBChB(Cape Town) MD(Cape Town) DTM&H(Witwatersrand)	Senior Lecturer/ Specialist

Peer, A.K., BSc(Westville) MSc MBChB(Ireland) MMed(KwaZulu-Natal)	Senior Lecturer/ Specialist
Clay, C.G., BSc(Unisa) BSc(Med) MSc PhD(Medunsa)	Lecturer/Senior Medical Scientist
Dangor, Y., BSc(Westville) MSc(Witwatersrand).....	Lecturer/ Senior Medical Scientist
Kock, M., BSc MSc PhD(Pretoria)	Lecturer/ Senior Medical Scientist

Department of Medical Oncology

Dreosti, L.M., BSc(Hons) MBBCh(Witwatersrand) FCP(College of Physicians)(SA)	Professor/ Head: Clinical Department (Head)
Slabber, C.F., MBBCh FCP(College of Physicians)(SA)	Senior Lecturer/ Medical Specialist (Part-time)
Vorster, A., MBChB MMed(Int)(Pretoria) Cert(MedOncology).....	Senior Lecturer/ Medical Specialist (Part-time)
Khanyile, T.M., MBChB MMed(Int)(Medunsa).....	Senior Lecturer/ Medical Specialist
Janse van Vuuren, H.E., MBChB MMed(Path: Haem)(Pretoria)	Senior Lecturer/ Medical Officer
Wessels, P.F., MBChB MMed(Path:Haem).....	Extraordinary Lecturer
Minyuku, K.F., MBChB(Medunsa)	Lecturer/ Medical Specialist
Burger, W., MBChB(Free State).....	Lecturer/ Medical Officer
Coetzer, B.J., MBChB(Pretoria).....	Lecturer/ Medical Officer
De Klerk, E., MBChB(Pretoria)	Lecturer/ Medical Officer
Klebanoff, S., MBChB(Rome).....	Lecturer/ Medical Officer
Pillay, V., MBChB(Pretoria).....	Junior Lecturer/ Medical Specialist
Agenbag, W.A., BPharm(Potchefstroom)	Research Officer
Cronje, D., DipNurse.....	Research Officer
Mertz, M.S., BPharm(Hons) MSc(Pharm)(Potchefstroom) PhD(Pretoria)	Research Officer
Jooste, L., NatDip(Microbiol)(TUT)	Research Officer
Swart, T., BPharm(Potchefstroom).....	Research Officer
Taverner, A.J., BCur(Pretoria)	Research Officer

Department of Medical Virology

Webber, L.M., MBChB MMed(Path)(Med Virol) DTH(Pretoria).....	Professor/ Chief Specialist (Head)
Taylor, M.B., MSc(Rhodes) DSc(Pretoria) MedSci PrSciNat	Associate Professor/ Medical Scientist

Venter, M., BSc BSc(Hons) MSc(Pretoria) PhD(MedViro)(Witwatersrand)	Associate Professor/ Medical Scientist
Martin, D.J., MBBCh MMed(Path)(Viro)(Witwatersrand)	Extraordinary Professor
Bowyer, S.M., BSc(Unisa) MSc(Med) PhD(Witwatersrand)	Senior Lecturer/ Medical Scientist
Erasmus, M., MBChB(Pretoria) FC Path(SA) (Viro) Dip HIV Management	Lecturer/ Specialist
Mayaphi, S.H., MBChB(Medunsa) FCPATH(SA)(Viro) MMed(Path: Med Viro)(Pretoria) Dip HIV Management	Lecturer/Specialist
Richter, K.L., MBChB(Pretoria) FCPATH(SA)(Viro) MMed(Path: Med Viro)(Pretoria) Dip HIV Management DipObst	Lecturer/Specialist
Department of Neurology	
Schutte, C-M., MBChB MMed(Neur) MD(Pretoria)	Professor/ Head: Clinical Department (Head)
Bartel, P.R., MA(Rhodes) PhD(Natal) FCP(Neur)(SA)	Professor: Neurophysiology/ Deputy Director
Kakaza, M., BSc(Rhodes) MBChB(WSU) DTE(Unisa) MMed(Neur)(Pretoria)	Senior Lecturer/ Senior Medical Specialist
Pillay, M., MBChB MMed(Neur)(Pretoria) HDipl IntMed	Senior Lecturer/ Senior Medical Specialist
Department of Neurosurgery	
Mokgokong, M.S., BSc(Univ of the North) MBChB(Natal) MMed(Medunsa) FCS(SA) DSc(honoris causa)(Univen)	Professor/ Head: Clinical Department (Head)
Jansen van Rensburg, M., MBBCh(Witwatersrand) LKC(SA)(Neurosurgery) FRCS(Edinburgh)	Emeritus Professor
Moja, T.K.P., MBChB(Cape Town) FCS(SA)(Neurosurgery)	Senior Lecturer/ Head: Clinical Unit
Department of Nuclear Medicine	
Sathekge, M.M., MBChB MMed(Nucl Medicine)(Medunsa) PhD(Ghent, Belgium)	Professor/ Head: Clinical Department (Head)
Buscombe, J., MBBS PhD(London)	Extraordinary Professor
Maes, A., MD PhD(Kul, Belgium)	Extraordinary Professor
Van de Wiele, C., MD PhD(Ghent, Belgium)	Extraordinary Professor
Soni, N., MBChB FCNP(SA)	Senior Lecturer/ Medical Specialist

Mokgoro, N.P., MBChB MMed(Nucl Medicine)(Medunsa)	Lecturer/ Medical Specialist
Nyakale, N.E., MBChB MMed(Nucl Med)(Pretoria) FCNP(SA).....	Lecturer/ Medical Specialist
Vorster, M., MBChB MPharmMed MMed(Pretoria) FCNP(SA)	Lecturer/ Medical Specialist

Department of Obstetrics and Gynaecology

Lindeque, B.G., MBChB(Pretoria) MMed(O et G) MD(Stellenbosch) GKOG(SA) M.Akad.SA	Professor/ Head: Clinical Department (Head)
Pattinson, R.C., BSc MBBCh(Witwatersrand) MMed(O et G) MD(Stellenbosch) FCOG(SA) MRCOG	Professor/ Head: Clinical Department
Dreyer, G., MBChB MMed(O et G)(Pretoria) FCOG(SA)	Adjunct Professor/ Head: Clinical Unit
Snyman, L.C., MBChB MPraxMed MMed(O et G)(Pretoria) FCOG(SA).....	Adjunct Professor/ Head: Clinical Unit
Amoko, D.H.A., MBChB(Makerere Univ, Kampala) MSc(Community Medicine) MHSc(Univ British Columbia) MMed(O et G)(Univ of Limpopo) DTM&H(Witwatersrand)	Senior Lecturer/ Head: Clinical Unit
Lombaard, HA du T., MBChB MMed(O et G)(Pretoria) FCOG(SA).....	Senior Lecturer/ Head: Clinical Unit
Mouton, A., BSc(Pharm)(Potchefstroom) MBChB MPraxMed MMed(O et G)(Pretoria) FCOG(SA).....	Senior Lecturer/ Medical Specialist
Mulder, J.P., MBChB MMed(O et G)(Pretoria) FCOG(SA)	Senior Lecturer/ Medical Specialist
Soma-Pillay, P., MBChB MMed(O et G)(Pretoria) FCOG(SA).....	Senior Lecturer/ Medical Specialist
Swart, P., MBChB MMed(O et G)(Pretoria).....	Senior Lecturer/ Medical Specialist
Abdool, Z., MBChB(Medunsa) MMed(O et G)(Pretoria) FCOG(SA)	Lecturer/Medical Specialist
Du Plessis, J., MBChB MMed(O et G)(Pretoria) FCOG(SA)	Lecturer/ Medical Specialist
Grumata, N., MBChB(Medunsa) FCOG(SA)	Lecturer/ Medical Specialist
Herbst, U., MBChB MMed(O et G)(Pretoria) FCOG(SA)	Lecturer/ Medical Specialist
Lubega, M., MBChB(Makerere) MMed(O et G)(Pretoria)	Lecturer/ Medical Specialist

Makin, J.D., MBCh(Witwatersrand) BSc(Hons)(Stellenbosch) MSc(Clinical Epidemiology)	Lecturer/Medical Officer
Makwela, M.R., MBChB(Cape Town) MMed(O et G)(Pretoria) FCOG(SA).....	Lecturer/ Medical Specialist
Mnisi, MBChB(Medunsa) MMed(O et G)(Pretoria) FCOG(SA)	Lecturer/ Medical Specialist
Molokoane, G., MBChB(Natal) MMed(O et G)(Pretoria) FCOG(SA) ..	Lecturer/ Medical Specialist

Department of Ophthalmology

Roux, P., MBChB MPraxMed MMed(Ophth)(Pretoria) GKC(Ophth)(SA) FRC(Ophth)(London) DVG(Pretoria)	Professor/ Head: Clinical Department (Head)
Asholi, A.A.O., MBChB(Alfatah) MMed(Ophth)(Pretoria)	Senior Lecturer/ Senior Manager: Medical Services
Makunyane, P.M.S., MBChB(Natal) FCS(Ophth)(Witwatersrand)	Senior Lecturer/ Senior Manager: Medical Services
Carrim, S.S., MBChB(Medunsa) MMed(Ophth)(Pretoria)	Lecturer/ Medical Specialist
Motala, M., MBChB(Medunsa) FCO(SA)	Lecturer/ Medical Specialist

Department of Orthopaedics

Ngcelwane, M.V., MBChB(Natal) FCS(SA) MSc(Orth)(London).....	Adjunct Professor/ Head: Clinical Department (Head)
Myburgh, J.G., MBChB MMed(Orth)(Pretoria) LKC(Orth)(SA).....	Adjunct Professor/ Head: Clinical Unit
Le Roux, T.L.B., MBChB MMed(Orth)(Pretoria) FCS(Orth)(SA)	Adjunct Professor/ Chief Specialist
Motsitsi, N.S., MBChB(Medunsa) MMed(Orth) FCS(ASEA)	Senior Lecturer/ Head: Clinical Unit
Sombili, S., MBChB Dip Orth(SA) FC(Orth)(SA) MMed(Orth).....	Senior Lecturer/ Head: Clinical Unit
Vlok, A.L., MBChB(Stellenbosch) MMed(Orth)(Pretoria).....	Senior Lecturer/ Principal Specialist
Visser, C.C., MBChB MMed(MedPhys)(Pretoria).....	Senior Lecturer/ Medical Specialist
Goller, R., MBChB MMed(Orth)(Pretoria) FCS(Orth)(SA)	Lecturer/ Medical Specialist
Kruger, T.G., MBChB MMed(Orth)(Pretoria) FCS(Orth)(SA)	Lecturer/ Medical Specialist
Ngobeni, R.S., MBChB(Medunsa) MMed(Orth)(Pretoria) FCS(SA).....	Lecturer/ Medical Specialist
Snyckers, C.H., MBChB MMed(Orth)(Pretoria) FCS(Orth)(SA)	Lecturer/ Medical Specialist

Department of Otorhinolaryngology

Tshifularo, M.I., MBChB(Natal) FRCS(Orl) FCS(Orl)(SA) MMed(Orl)(Medunsa)	Professor/ Head: Clinical Department (Head)
Mulder, A.A.H., MBChB MPraxMed MMed(Orl)(Pretoria)	Emeritus Professor
Monama, G., MBChB MMed(Orl)(Medunsa)	Senior Lecturer/ Principal Specialist

Department of Paediatrics

Green, R.J., MBBCh MMed(Paed) FCCP PhD(Witwatersrand) Dip Allerg(SA) DCH(SA) FCP(SA) FAAAAI FRCP	Associate Professor Head: Clinical Department (Head)
Delpont, S.D., MMed(Paed) MPharmMed PhD(Pretoria)	Associate Professor/ Head: Clinical Unit
Avenant, T.J., MBChB MMed(Paed)(Pretoria)	Adjunct Professor/ Head: Clinical Unit
Smuts, I., BSc MMed(Paed)(Pretoria)	Adjunct Professor/ Head: Clinical Unit
Masekela, R., MBBCh(Witwatersrand) MMed(Paed) DipAllerg(SA) Cert Pulm(SA) Paed FCCP	Adjunct Professor/ Medical Specialist
Opperman, J.C., MMed(Path) MMed(Paed) DVG(Pretoria) DTM&H(Witwatersrand)	Senior Lecturer/ Head: Clinical Unit
Reynders, D.T., FC(Paed)(SA) MRCP CH(London) Cert Med Oncology(Paed)(SA)	Senior Lecturer/ Head: Clinical Unit
Takawira, F.F., FC(Paed)(SA) DTM&H MMed(Paed)(Witwatersrand)	Senior Lecturer/ Head: Clinical Unit
De Witt, T.W., MBChB MMed(Paed) DTI(Pretoria)	Senior Lecturer/ Medical Specialist
Feucht, U., MBChB(Stellenbosch) FC(Paed)(SA) MMed(Paed)(Pretoria) Dip HIV Management(Pretoria) CAHM	Senior Lecturer/ Medical Specialist
Lubbe, E., MBChB(Pretoria) DA(SA) FC(Paed)(SA) Cert(Paed) Neurology(CMSA)	Senior Lecturer/ Medical Specialist
Mulaudzi, M.C., MBChB(Natal) MMed(Paed)(Pretoria) Dip HIV Management(SA)	Senior Lecturer/ Medical Specialist
Van Biljon, G., MMed(Paed)(Pretoria) FCP(Paed)(SA) Cert Paed Nephrology(SA)	Senior Lecturer/ Medical Specialist
Brisley, T., MBChB MMed(Paed) (Pretoria)	Lecturer/ Senior Medical Specialist

Cloete, J., MBChB(Stellenbosch) DCH(SA) MMed(Paed)(Pretoria) ..	Lecturer/ Medical Specialist
Du Plessis, N.M., MBChB(Stellenbosch) MMed(Paed)(Pretoria) FC(Paed)(SA) Dip Allerg(SA) Dip HIV Management(SA) Cert ID(Paed)(SA)	Lecturer/ Medical Specialist
Joshi, J.A., MBBCh(Witwatersrand) FC(Paed)(SA).....	Lecturer/ Medical Specialist
Kwofie-Mensah, M., MBChB(Medunsa) DCH(SA) MMed(Paed) FC(Paed) Dipl Allergy(SA)	Lecturer/ Medical Specialist
Lloyd, L.G., MBChB(Pretoria) DCH(SA) FC(Paed)(SA).....	Lecturer/ Medical Specialist
Mitchell, B.J., MBChB MMed(Paed)(Pretoria) Cert Cardiology(Paed) ..	Lecturer/ Medical Specialist
Omar, F.E., MBChB(Pretoria) FC(Paed)(SA).....	Lecturer/ Medical Specialist
Snyman, P.J., MBChB(Pretoria) FC(Paed)(SA) DipPEC(SA) DCH(SA)	Lecturer/ Medical Specialist
Terblanche, A., MMed(Paed)(Pretoria) FC(Paed)(SA) DipAllerg	Lecturer/ Medical Specialist
Van Rooyen, E., MBChB MPharmMed(Pretoria) DCH(SA)	Lecturer/Principal Medical Officer

Department of Pharmacology

Greeff, O.B.W., MBChB MPharmMed(Pretoria) FCFP(SA) FFPM(RCP) MD(Psych)(KwaZulu-Natal) M.Akad.SA	Professor (Head)
Steenkamp, V., BSc BSc(Hons) MSc(Pretoria) PhD(Witwatersrand) HED(Unisa).....	Associate Professor
Cromarty, A.D., BSc BSc(Hons) MSc(Witwatersrand) PhD(Pretoria)	Senior Lecturer
Matijs, S., MBChB MPharmed(Pretoria) Dip PEC(SA)	Senior Lecturer
Muntingh, G.L., BPharm(Pretoria) MSc(Pharm) PhD(Medunsa).....	Senior Lecturer
Outhoff, K., MBChB(Cape Town) DipPharmMed MFPM(London)	Senior Lecturer

Department of Physiology

Van Papendorp, D.H., MBChB(Pretoria) BSc(Hons) MSc PhD(Stellenbosch) M.Akad.SA	Professor (Head)
Joubert, A.M., MSc PhD(Pretoria)	Professor
Pretorius, E., BSc(Hons) MSc(Stellenbosch) PhD DTI(Pretoria).....	Professor
Apatu, R.S.K., MBChB(Ghana) PhD(Cantab)	Associate Professor
Ker, J., MBChB MMed(Int) PhD(Pretoria) MRCP(Edinburgh) Fellow: European Society of Cardiology	Associate Professor
Viljoen, M., MSc PhD (Pretoria) PhD(Witwatersrand) Nat Dip(Microbiology)	Emeritus Professor
Dippenaar, N.G., MSc(Stellenbosch) MPhil(Cantab) PhD(Medunsa) DipMedTech(ChemPat)	Extraordinary Professor
Coetzee, M., BSc(DomSci)(Ed) MSc(Potchefstroom) PhD(Pretoria)	Senior Lecturer
Du Toit, P.J., BSc MSc PhD(Pretoria)	Senior Lecturer
Soma, P., MBChB MSc(Pretoria)	Senior Lecturer

Abraham, S., MBChB(Transkei)	Lecturer
Alummottill, S., BSc MSc(India)	Lecturer
Govender, C.O., BSocSci(Hons) MA(ClinPsychol)(Pretoria).....	Lecturer
Grobbelaar: C.W., MBChB(KwaZulu-Natal)	Lecturer
Koorts, A.M., MSc(Pretoria)	Lecturer
Theron, A.E., MBChB BSc(Hons)(Pretoria).....	Lecturer
Department of Psychiatry	
Roos, J.L., MBChB MMed(Psych) MD(Pretoria) FC Psych(SA)	Professor/ Head: Clinical Department
Krüger, C., MBBCh(Witwatersrand) MMed(Psych)(Pretoria) MD(Warwick) FC Psych(SA).....	Associate Professor/ Head: Clinical Unit
Van Staden, C.W., MBChB MMed(Psych)(Pretoria) FTCL(London) UVLM(Unisa) MD(Warwick) FC Psych(SA)	Associate Professor/ Senior Specialist
Joubert, P.M., MBChB(Stellenbosch) MMed(Psych)(Pretoria) FC Psych(SA)	Adjunct Professor/ Head: Clinical Unit
Van der Westhuizen, D., MBChB MMed(Psych) MBA MD(Pretoria) FC Psych(SA)	Adjunct Professor/ Head: Clinical Unit
Scholtz, J.G., BSosSci(RAU) BA(Hons) MA(ClinPsychol)(Pretoria) DLitt et Phil(RAU)	Adjunct Professor/ Principal Psychologist Medical Specialist
Grobler, G.P., MBChB MMed(Psych)(Pretoria)	Senior Lecturer/ Head: Clinical Department
De Wet, P.H., BChD MBChB MMed(Psych)(Pretoria)	Senior Lecturer/ Head: Clinical Unit
Abrie, A., Biochem MBChB(Pretoria) FC Psych(SA) MBL(Unisa).....	Senior Lecturer
Alison, H., MBChB(Witwatersrand) MMed(Psych)(Pretoria) FC Psych(SA) Cert. Child Psychology(SA).....	Senior Lecturer/ Medical Specialist
Böhmer, M. W., MBChB FC Psych(SA)	Senior Lecturer/ Head: Clinical Department
Sokudela, B.F., MBChB MMed(Psych)(Pretoria)	Senior Lecturer/ Medical Specialist
Mataboge, C.K., MBChB(Medunsa) MMed(Psych)(Pretoria).....	Lecturer/ Head Clinical Department
Du Plessis, A.M.E., BSc(Hons)(Psychol) MBChB MMed (Psych)(Pretoria).....	Lecturer/ Medical Specialist
Khamker, N., MBChB MMed(Psych)(Pretoria) FC Psych(SA)	Lecturer/ Medical Specialist
Kotze, C., MBChB MMed(Psych)(Pretoria) DMH(SA) FC Psych(SA)	Lecturer/ Medical Specialist
Lippi, G., MBChB MMed(Psych)(Pretoria) FC Psych(SA).....	Lecturer/ Medical Specialist
Magagula, T.G., MD(Cuba) MBChB(Medunsa) DMH(SA) MMed(Psych)(Pretoria).....	Lecturer/ Medical Specialist

Mataboge, R.H., MBChB DOH&M MMed(Psych)(Pretoria)	Lecturer/ Medical Specialist
Naidu, K., MBChB MMed(Psych)(Pretoria) FC Psych(SA)	Lecturer/ Medical Specialist
Pooe, J.M., MBChB(Medunsa) MMed(Psych)(Pretoria) FC Psych(SA)	Lecturer/ Medical Specialist
Coetzee, J.C., BA(Theology) BA(Hons)(Psychol) MA(ClinPsychol)(Pretoria)	Lecturer/ Psychologist
Hassim, J., BPsych(Unisa) BA(Clin Psych(Pretoria)).....	Lecturer/ Psychologist
Macklin, D., BA(Witwatersrand) BA(Hons)(Psychol) MA(ClinPsychol)(Pretoria).....	Lecturer/ Psychologist
Michael, K.S. BA BA(Hons)(Psychol)(RAU) MA(ClinPsychol)(Pretoria)	Lecturer/ Senior Psychologist
Morkel, M., BSocSci(Psychology) BSocSci(Psychology)(Hons) MA(ClinPsych)(Pretoria)	Lecturer/ Psychologist
Schluep, H., BA(Soc. Work) BA(Psych)(Pretoria) MA (Clin.Psych)(Unisa)	Lecturer/ Psychologist
Simpson, J.L., BSocSci(Psych)(Pretoria)	Lecturer/ Psychologist
Statham, G.I., BSc(Psychol) BSc(Hons)(Psychol) MSc(Clin.Psychol)(Johannesburg).....	Lecturer/ Psychologist
Swanepoel, I., MSc(MedApplPsychol)(Pretoria).....	Lecturer/ Senior Psychologist
Van Lelyveld, C.R., B(Psychology) MA(Psychology).....	Lecturer/Psychologist
Department of Radiation Oncology	
Lakier, R.H., BSc MMed(Rad T)(Witwatersrand).....	Professor/ Head: Clinical Department (Head)
Van Rensburg, A.J., MMedSc(Biophysics)(Free State) Dip Public Management PhD(Pretoria)	Extraordinary Professor/
Hocepied, A.M.L., MD MMed(Rad-Onc).....	Senior Lecturer/ Head: Clinical Unit
Bassa, S., MBChB(Natal) FRC(RadOnc)(SA)	Senior Lecturer/ Medical Specialist
Hinson, L.A., MBChB(Cape Town) FC(RadOnc)(SA)	Senior Lecturer/ Medical Specialist
Westerink, H.H.P., MBChB MMed(Rad)(Pretoria).....	Senior Lecturer/ Medical Specialist
Soars, M.D.S., MBChB MMed(Rad-Onc)(Pretoria) FC(RadOnc)(SA)	Senior Lecturer Medical Specialist

Department of Radiology

Lockhat, Z.I., MBChB(Natal) FFRad(D)(SA).....	Associate Professor/ Head: Clinical Department (Head)
Höll, J.L., MBChB(Pretoria) FFRad(D)(SA)	Adjunct Professor/ Head: Clinical Unit
Ahmad, S., MBBS(Pakistan) FCRad(SA).....	Senior Lecturer/ Head: Clinical Unit
Khan, N., MBChB FCRad(SA).....	Senior Lecturer/ Head: Clinical Unit
Smal, J., MBChB MMed(Rad-D)(Pretoria).....	Senior Lecturer/ Head: Clinical Unit
Van der Walt, E., MBChB MMed(Rad-D)Pretoria FCRad(SA).....	Senior Lecturer/ Head: Clinical Unit
Makanya, N.Z., MMed(Rad)(Diag)(Medunsa)	Senior Lecturer/ Senior Medical Specialist
Minne, R., MBChB(Pretoria) Dip PEC(SA) FCRad(Diag)(SA)	Senior Lecturer/ Senior Medical Specialist
Suleman, F.E., MBChB(Natal) FCRad(Diag)(SA)	Senior Lecturer/ Senior Medical Specialist
Van de Werke, I.E.A., MBChB DVG(Pretoria) DMRD FRCR(London)	Senior Lecturer/ Senior Medical Specialist
Adroos, N., MBChB MMed(Rad-D)(Pretoria)	Senior Lecturer/ Medical Specialist
Ismail, F., MBChB MMed(Rad-D)(Medunsa)	Senior Lecturer/ Medical Specialist
Thebe, D.C., MBChB MMed(Rad)(Diag)(Medunsa).....	Senior Lecturer/ Medical Specialist

Department of Surgery

Becker, J.H.R., MBChB MMed(Surg)(Pretoria) FCS(SA) FRCS(Glasgow) FRCS(Edinburgh) LKC(SA)	Professor/ Head: Clinical Dept (Head)
Mokoena, T.R., MBChB(Natal) FRCS(Glasgow) DPhil(Oxford).....	Professor/ Head: Clinical Unit
Karusseit, V.O.L., MBChB MMed(Surg)(Pretoria) LKC(SA).....	Associate Professor/ Head: Clinical Unit
Pretorius, J.P., MBChB MMed(Surg)(Pretoria).....	Adjunct Professor/ Head: Clinical Unit
Ntle, L.M., MBChB(Natal) FCS(SA).....	Adjunct Professor/ Medical Specialist
Du Plessis, H.J.C., MBChB MMed(Surg)(Pretoria) FCS(SA) FACS	Adjunct Professor/ Medical Specialist
Mieny, C.J., MBChB(Pretoria) ChM(Witwatersrand) MD(Pretoria) FCSA(SA) FRCS(Eng)	Emeritus Professor
Van der Walt, H., MBChB MMed(Surg)(Pretoria) FCS(SA)	Extraordinary Professor

Van Marle, J., MBChB MMed(Surg)(Pretoria) FCS(SA).....	Extraordinary Professor
Mulaudzi, T.V., MBChB(Natal) FCS(SA)	Senior Lecturer/ Head: Clinical Unit
Baloyi, M.L., MBChB(Medunsa) FCS(SA)	Senior Lecturer/ Medical Specialist
Motabeng, T.G., MBChB MMed(Surg)(Medunsa).....	Senior Lecturer/ Medical Specialist
Montweni, O.D., MBChB(Medunsa) FCS(SA)	Senior Lecturer/ Medical Specialist
Ngobo, T., MBChB(Medunsa) FCS(SA)	Senior Lecturer/ Medical Specialist
Pienaar, B.H., MBChB(Pretoria) FRCPS(Glasgow) ChM(Cape Town) CEPW(Pretoria)	Senior Lecturer/ Medical Specialist
Sikhosana, M.H., MBChB (Natal) FCSC(SA)	Lecturer/ Medical Specialist
De Beer, A., MBChB MMed(Surg)(Pretoria) FRCS(Edinburgh) FCS(SA)	Lecturer/ Medical Specialist (Part-time)
Du Plessis, A.A., MBChB MMed(Surg)(Pretoria) FCS(SA)	Lecturer/ Medical Specialist
Gordhan, G.I., MBChB MMed(Surg)(Pretoria) FCS(SA)	Lecturer/ Medical Specialist (Part-time)
Jekel, H., MBChB MMed(Surg)(Stellenbosch)	Lecturer/ Medical Specialist (Part-time)
Laage, N., MBChB MMed(Surg)(Pretoria) FCS(SA) Lecturer/ FRCS(Edinburgh).....	Medical Specialist (Part-time)
Maharaz, R., MBChB(Witwatersrand) FCS(SA)	Lecturer/ Medical Specialist
Malinga, S.V.M., MBChB(Medunsa) MMed(Pretoria)	Lecturer/ Medical Specialist (Part-time)
Osman, E., MBBS(Khartoum, Sudan) MMed(Surg)(Pretoria)	Lecturer/ Medical Specialist (Part-time)
Semenye, J.T., MBChB(Medunsa) MMed(Pretoria).....	Lecturer/ Medical Specialist (Part-time)
Sepeng, S., BSc(Unin) MBChB(Medunsa)	Lecturer/ Medical Specialist
Welkovic, N., MBChB MMed(Surg)(Pretoria) FCS(SA) Cert in Crit Care(SA).....	Lecturer/ Medical Specialist (Part-time)
Calzadilla-Cruz, M., MBChB(Havana)	Lecturer/Principal Medical Officer
Taszmirwa, T.T., MBChB HDipl Surgery(SA)	Lecturer/Principal Medical Officer

Joubert, J.E.H., BNursSci(Hons)(Stellenbosch)Senior
Research Officer

Cardiothoracic Surgery Division

Du Plessis, D.J., MBChB(Pretoria)
MMed(ThoracSurg)(Stellenbosch)Professor/
Head: Clinical
Department
(Head)

Jacobs, A.G., BSc(Western Cape) BSc(Hons) MSc
MBChB MMed(Thorax)(Cape Town) FCS(SA).....Senior Lecturer/
Head: Clinical Unit

Mogaladi, S.M., MBChB(Medunsa) MMed(ThoracSurg)(Pretoria).....Senior Lecturer/
Medical Specialist

Paediatric Surgery Division

Müller, E.W., Staatsexamen (CH) MMed(Surg) (Free State)Senior Lecturer/
Head: Clinical Unit

Kirsten, M., MBChB (Free State) DCH(SA)Lecturer/Principal

Van Niekerk, M.L., MBChB MMed(Surg)(Pretoria).....Lecturer/
Medical Specialist
(Part-time)

Plastic Surgery Division

Coetzee, P.F., MMed(Plast Surg)(Pretoria)Adjunct Professor/
Head: Clinical Unit

Neumann, A., MMed(Plast Surg)(Pretoria)Senior Lecturer/
Senior Medical Specialist

Van Der Merwe, H.J.M.G., MBChB MMed(Plast Surg)(Pretoria)
FCS(Plast Surg)(SA)Lecturer/
Medical Specialist
(Part-time)

Maree,D.C., MBChB MMed(Plast Surg)(Pretoria)Lecturer/
Medical Specialist
(Part-time)

Department of Urology

Moshokoa, E.M., MBChB MMed(Urol)(Medunsa) FCS(Urol)(SA)Senior Lecturer/
Head: Clinical Department
(Head)

Abul Feilat, R.A., MBChB(Milan)Senior Lecturer/
Principal Specialist

Bornman, M.S., MBChB DSc MD(Pretoria) PrSciNat.....Senior Lecturer

Engelbrecht, M.J., MBChB(Pretoria) FCS(Urol)(SA)Senior Lecturer/
Medical Specialist

Gaudjie,B.G.R., MBChB(Abidjan)Senior Lecturer/
Medical Specialist

Kok, E.L., BA(Unisa) BA(Hons) MBChB(Pretoria) DTISenior Lecturer/
Medical Specialist

Debeil, Y., MBChB(Pretoria) FCS(Urol)(SA)Lecturer/
Medical Specialist

Notnagel, C.P., MBChB(Free State).....Lecturer/
Medical Officer

Marais, C.F., MBChB(Free State).....	Lecturer/ Medical Officer
Parbhook, M.N.B., MBChB(Pretoria)	Lecturer/ Medical Officer
Aneck-Hahan, N.H., DTech(BiomedTechnol)(TUT)	Extraordinary Lecturer

SKILLS LABORATORY

Delport, R., BA et Scien(Nursing)(Potchefstroom) BCur(Hons)(Int Care) MSc(Physiol) PhD) Med (Computer-integrated Education)(Pretoria)	Associate Professor (Head)
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STUDENT ADMINISTRATION

Cooper, R.R., BA(Pretoria) BA(Hons)(Unisa).....	Head
Anthony, C.H.	Coordinator: Applications and Selection
Eksteen, E.	Coordinator: Student Financing
Viljoen, M., BA BA(Hons) MEd(Pretoria).	Coordinator: Student Records and Examinations

GENERAL INFORMATION

1. **Admission**

Students who register at the University for the first time, or after an interruption of their studies, should apply for admission or readmission.

- **Undergraduate applications**

Applications for admission to all undergraduate fields of study in the Faculty for which selection applies close on 31 May, as well as for new first-year students who apply for a transfer from BSc (Biological Sciences) or BSc (Medical Sciences) to MBChB I/BCChD I. Applications for BCur(I et A) and Health Sciences Special (Undergraduate) close on 30 November.

- **Postgraduate applications**

The closing dates for the following schools are:

School of Dentistry:

30 November

School of Health Systems and Public Health:

Master of Public Health (MPH): 30 June

Diplomas: 30 September

School of Healthcare Sciences:

Honours and master's: 30 September

BRadHons: 30 September

MPhysT and MOccTher: 31 October

2. **Selection**

A selection process takes place prior to admission to all the degree programmes in the Schools mentioned in the front part of this publication. For some of the undergraduate degree programmes a personal interview is required as part of the selection procedure. The National Benchmark Test (NBT) is compulsory for all applicants applying for admission to an undergraduate degree programme with the exception of the Bachelor of Clinical Medical Practice (BCMP) and students with previous tertiary exposure.

3. **National Benchmark Test**

The National Benchmark Test is compulsory for applicants who are currently in Grade 12 or who have already completed Grade 12 and who wish to apply for admission to any field of study, with the exception of the Bachelor of Clinical Medical Practice (BCMP) as well as students with previous tertiary exposure, in the Faculty of Health Sciences. Applicants who fail to write this test will not be considered for selection. Academic Literacy, Quantitative Literacy and Mathematics are tested and applicants cannot specially prepare for the test. The test results will be used in addition to the Grade 12 marks for provisional selection and will not replace the Grade 12 marks.

4. **Undergraduate study programmes with their additional requirements:**

- **MBChB:**

The Faculty can accommodate 220 first-year MBChB students. Applicants for MBChB I are evaluated according to different categories, with the minimum admission requirements set according to the categories in question.

(a) Applicants who apply for selection, should have passed English and

another language with at least a 5 rating code (60-69%), as well as Mathematics and Physical Science.

A minimum APS of 35 and a pass symbol are prerequisites for the various selection categories.

- (b) It is not possible for candidates to complete the first year of study for this study programme at another South African university.
 - (c) A candidate who has passed a full academic year at another university, with at least four first-year subjects, will be considered for selection, but only for admission to MBChB I.
 - (d) Admission of foreign candidates is limited. Preference will be given to students from SADC countries.
 - (e) Candidates will be notified in writing of the outcome of the selection.
 - (f) Candidates who have not been admitted to MBChB I, may register for a first year of study in the BSc degree programme in Biological or Medical Sciences at the University of Pretoria, provided that they qualify for admission. If they pass the prescribed first-semester modules, they may apply before 31 May of their first year of study, for a transfer to MBChB I as from the second semester (this is only allowed for students without any previous tertiary education).
 - (g) Candidates who have not been admitted to the first year of study for the MBChB degree programme, may apply for admission to any other degree programme at this University, provided that they comply with the entrance requirements for the degree programme in question; and may, on the grounds of that achievement, reapply for selection (changing to MBChB I).
 - (h) Applications of students from other medical and dentistry schools, for admission to the MBChB degree programme (changing to this University) will be subject to:
 - (i) An accompanying letter of acknowledgement and consent from the Dean concerned, of the faculty from which the student applies.
 - (ii) A written motivation by the student, providing reasons for changing to the School of Medicine, University of Pretoria.
- **BClinical Medical Practice:**

Selection for BClinical Medical Practice is based on academic merit and is also subject to the general admission requirements of the University of Pretoria and the specific admission requirements for the BClinical Medical Practice degree as set out in Reg. M. 2A(a).
 - **BChD:**
 - (a) Candidates are not allowed to complete their first year of study at another university.
 - (b) In terms of the selection procedure, candidates must pass both Mathematics and Physical Science with at least a 5 rating code (60 – 69%), and achieve an APS of at least 30 , in order to be considered for selection and/or admission.
 - (c) At the conclusion of the selection process, candidates are informed in writing regarding the outcome.
 - (d) Admission of foreign students to the BChD degree programme is limited to one annually. Only applications of candidates from SADC countries are accepted.
 - (e) Candidates who are not admitted to the first year of study for the BChD degree programme may register for the BSc degree programme in

medical sciences or biological sciences at the University, provided that they comply with the admission requirements for the programme in question. A candidate who completes the first semester of such a degree programme successfully, may apply for admission to the second semester of BChD I on the grounds of this achievement. If successful, the student may be admitted to the second semester of BChD I.

- **Bachelor of Oral Hygiene:** Regulation D.1A of this publication contains the minimum requirements for subjects passed in the final Grade 12 examination according to the selection procedure. A minimum APS is required.
- **BPhysT:** Regulation H.16(a) of this publication contains the minimum requirements for subjects passed in the Grade 12 final examination according to the selection procedure. A minimum APS is required for the various categories.
- **BCur:** The stipulations of the selection procedure with regard to the required Grade 12 subjects are set out in Regulation H.1(b)(ii) of this publication.
- **BCur(I et A):** The admission requirements according to the selection procedure as well as the requirements with regard to registration with the South African Nursing Council are set out in Regulation H.2(b) and (c) of this publication. Additional admission requirements for Clinical Nursing Science also appear in par (c) of the regulation in question.

Only students who can submit proof that they are registered as student nurses at an approved hospital, will be considered for admission.

- **BRad:** The admission requirements according to the selection procedure and the required Grade 12 subjects are set out in Regulation H.7(a) in this publication. A minimum APS applies to the various categories.
- **BOccTher:** Regulation H.11(a) of this publication contains the minimum requirements for subjects passed in the final Grade 12 examination according to the selection procedure. A minimum APS requirement applies to the various categories.
- **BDietetics:** Regulation H.19(a) of this publication contains the minimum requirements for subjects passed in the final Grade 12 examination according to the selection procedure. A minimum APS applies to the various categories.

5. **Statement of symbols**

When registering at this University for the first time, a candidate has to submit official proof of the symbols obtained in each subject in the final Grade 12 examination.

6. **National Senior Certificate**

All undergraduate candidates who enrol at the University of Pretoria for the first time, must show their original National Senior Certificate at the Student Administration of their faculty before the end of the first semester.

7. **Language of tuition**

In conducting its general business, the University uses two official languages, namely Afrikaans and English.

In formal education, the language of tuition is either Afrikaans or English or both

languages, taking the demand as well as academic justification and economic viability into consideration. However, it remains the student's responsibility to determine in which language a module and any further level of that module is presented. This information is published annually in the Timetable. The University reserves the right to change the language of tuition on short notice, depending on the size of the groups and the availability of lecturers. In respect of administrative and other services, a student may choose whether the University should communicate with him or her in Afrikaans or English.

Undergraduate: The **language policy** is flexible to accommodate all students in Afrikaans and/or English.

The use of English for all auditorium type lectures to large groups of students has been **phased in** from the first year of study, since 2002. The necessary support (e.g. visual teaching aids, study notes, tutorial sessions, repeating sections of the presentation during lectures) is provided to Afrikaans-speaking students as far as practically feasible.

Small-group lectures/discussions/tutorials are presented in the language of choice (Afrikaans or English) of the group, provided that the lecturer is proficient in the language.

All printed matter (study guides, block books, examination and test papers, notices etc.) is provided in the languages mentioned above.

Textbooks are provided in Afrikaans and/or English only.

Students can communicate orally as well as in writing, in Afrikaans and/or English, with lecturers and other members of staff. Tests and examinations may be written in Afrikaans or English.

Postgraduate: Presentation takes place in Afrikaans and/or English, taking into account the student's preference, but also with due allowance for available and effective utilisation of resources within the University. The language in which a dissertation or thesis will be presented, must be discussed with the supervisor or with the faculty, at the commencement of studies.

8. **Bursaries and loans**

Particulars of bursaries and loans are available on request.

9. **Accommodation**

Applications for accommodation in university residences for a particular year may be submitted as from March 1 of the preceding year. Applications will be considered as long as vacancies exist, and prospective students are advised to apply well in advance. Please note that admission to the University does not automatically imply that accommodation will also be available.

10. **Welcoming day, registration and start of the academic year**

Details of the welcoming day to which all parents are cordially invited, and the subsequent programme for registration and start of the academic year during which all new first-year students **must** be present, are available on the Web (www.up.ac.za).

11. **Prescribed books**

Lists of prescribed books are available for all study programmes. However, regarding all study programmes, the lecturers concerned will supply information regarding prescribed books to students when lectures commence.

12. Amendment of regulations and fees

The University retains the right to amend the regulations and to change study programme fees without prior notification.

NB The fees advertised and thus levied in respect of a module or study programme presentation represents a combination of the costs associated with the formal services rendered (for example lectures, practicals, access to laboratories, consumables used in laboratories, etc.) as well as associated overheads such as the provision of library and recreation facilities, security and cleaning services, electricity and water supply, etc. Therefore the fees in respect of a module or study programme presentation cannot simply be reconciled with the visible services that are rendered in respect of such module or study programme.

DEFINITION OF TERMS

Familiarise yourself with the meaning of the undermentioned terms. They are used generally in all faculties and in particular in this Faculty.

academic year: the academic year as determined by the University Council

module: a defined aspect of a subject that forms a unit and to which a module code has been allocated

core module: a module that is compulsory for a specific programme or package

fundamental module: a module that can be regarded as the academic basis of the learning activities in a specific programme or package

elective module: a module that forms part of a package and can be taken by own choice, provided that adequate credits are obtained at the specified year level, according to the requirements for the qualification the student follows

hours of learning: the calculated number of hours a student is perceived to use to master the learning content of a specified module or programme. The total number of learning hours of a module comprises the time taken up by lectures, practicals, self-tuition and any other activity required according to the training programme. Learning hours of modules are normally calculated on the basis of 40 working hours per week x 28 week = 1120 + 80 additional hours for evaluation = 1200. For undergraduate modules, the total number of learning hours for a module is calculated according to the formula: number of credits of the module x 10.

credits: a number of credits allocated to each module that represents the amount of work and the extent of the module

curriculum: a series of modules from different subjects grouped together over a specified period of time and in a certain sequence according to the regulations

block: a module/modules presented as a block in a specified period of time during the academic year

block mark is calculated from the continuous evaluation opportunities during the course of the presentation of the relevant block

block examination: examination on the total content of a block. This is scheduled at the end of a block/semester

final block mark is calculated from the block examination mark and the block mark (continuous evaluation) in a 50:50 or 60:40 ratio

package: a group of modules with a specific coherence and focus, selected as a specialisation within a programme by students

examination mark: the mark a student obtains in the examination of a module, including practical and clinical examinations where applicable

final mark: is calculated from the examination mark as well as the mark compiled from the continuous evaluation during the presentation of the module

GS: a combined mark (semester/year mark plus examination mark) of at least 40%

required for admission to a specific prescribed module

module level or level: an indication of the level of complexity of a module (e.g. first, second or further level), which also implies a particular credit value. The (year) level is indicated by the first digit of the module code (e.g. FLG 322 is a module at level three of the physiology discipline)

anti-semester modules (for MBChB I and BChD I): modules of a subject normally presented in the first semester, which can be repeated in the second semester and whereby students have another opportunity to attempt passing the modules in question in the same year. (**NB:** Only certain departments present modules on an anti-semester basis.)

semester module: a module that extends over one semester

semester/year/continuous evaluation mark: the mark awarded to a student on the grounds of continuous evaluation during the presentation of a module. Consult par.6 under GENERAL ACADEMIC INFORMATION in this publication for further details.

subject: a demarcated field of study of which one module or more may be selected for the study of a degree or diploma

syllabus: the arrangement of the study material for a specific module

year module: a module extending over one year

extended study programme: a study programme for a degree or diploma taken over a period longer than the minimum duration for the degree or diploma according to regulation.

admission procedure: also includes the selection procedure

package coordinator: the person responsible for organising, compiling and teaching as well as guidance in respect of a particular package

programme manager: the person responsible for the overall management, organisation and compilation of a particular programme plus the packages falling under that programme

certificate of satisfactory preparation: satisfactory preparation also implies satisfactory attendance of practical classes and clinical work.

grade point average based on module credits: an average mark that is calculated by multiplying the final mark achieved in a module with the credit value of that module and then dividing the sum of these values by the total of the credit values of all the modules for which a student was enrolled. The result of these calculations is a weighted average based on module credits.

GENERAL ACADEMIC INFORMATION

The regulations with regard to degrees, diplomas and certificates appearing in this publication, are subject to change and may change before the commencement of the academic year 2012.

1. Admission to undergraduate studies and diploma studies

1.1 General

1.1.1 To register for a first bachelor's degree at this University, a candidate must, in addition to the required National Senior Certificate with admission for degree purposes, also comply with the specific admission requirements for particular modules of a subject and study programmes as prescribed in the admission procedure and the departmental regulations of the various schools.

1.1.2 The following persons may also be considered for admission:

Note: A conditional exemption certificate does not grant admission to bachelor's degree studies. The School of Healthcare Sciences will, however,

- accept a certificate of conditional exemption by virtue of mature age (23 years and older) in the case of the BCur(I et A) degree study, provided that the applicant concerned complies with the minimum requirements set by the Matriculation Board and the School in question, in respect of Grade 12 subjects already completed. Candidates are advised to contact the Head of the Department of Nursing Science in this regard.
- 1.1.3 The Senate may limit the number of students allowed to register for a study programme, in which case the Dean concerned may, at his own discretion, select from the students who qualify for admission, those who may be admitted.
- 1.1.4 Subject to differently worded faculty regulations and the stipulations of General Regulations G.1.3 and G.62, a candidate will only be admitted to postgraduate bachelor's degree studies, if he or she is in possession of a recognised bachelor's degree.

1.2 Requirements for admission to specific modules

A student who has

- (a) obtained at least 50% in the final Grade 12 examination in Mathematics as well as in Physical Science, will be admitted to Molecular and cell biology (MLB 111), and a module in the subjects Chemistry, Physics, Zoology and Entomology, Genetics, Microbiology or Botany;
- (b) obtained at least 50% in the final Grade 12 examination in Mathematics as well as in Physical Science, will be admitted to a module in Radiation Physics (RFI);
- (c) obtained at least 40% in the final Grade 12 examination in either Physical Science or Life Sciences, will be admitted to modules in Occupational Therapy and Therapeutic Media.
- (d) obtained at least 50% in the final Grade 12 examination in Mathematics, will be admitted to the modules WTW 158 and WTW 134 in Mathematics.

1.3 Admission requirements for candidates with a National Senior Certificate

To be able to gain access to the faculty and specific programmes, prospective students require the appropriate combinations of recognised NSC subjects as well as certain levels of achievement in the said subjects. In this regard the determination of an admission point score (APS) is explained and a summary of the faculty specific requirements, i.e. the admission point score (APS) per programme and the specific subjects required per programme is provided.

1.4 Determination of an Admission Point Score (APS)

The calculation is simple and based on a candidate's achievement in six 20-credit recognised subjects by using the NSC ratings, that is the "1 to 7 scale of achievement". Thus, the highest APS that can be achieved is 42.

Life Orientation is excluded from the calculation determining the APS required for admission.

Rating code	Rating	Marks %
7	Outstanding achievement	80-100%
6	Meritorious achievement	70-79%
5	Substantial achievement	60-69%
4	Adequate achievement	50-59%
3	Moderate achievement	40-49%
2	Elementary achievement	30-39%
1	Not achieved	0-29%

Provisional selection is based on the results obtained in the final Grade 11 examination. Final admission in the following year is based on the final Grade 12 results, which will be the determining factor to actually commence with the studies.

1.5 Specific admission requirements for the Faculty of Health Sciences

1.5.1 A valid National Senior Certificate with admission for degree purposes.

1.5.2 General requirements and procedures (see University's website for further information):

- Applicants are divided into categories and each category has its own APS.
- Selection takes place in all programmes.
- Selection for MBChB and BChD is based on academic merit, the National Benchmark Test and the Value-added Questionnaire.
- Selection for BClinical Medical Practice is based on academic merit. Also subject to the general admission requirements of the University of Pretoria and the specific admission requirements for the BClinical Medical Practice degree as set out in Reg. M. 2A(a).
- Selection for BCur, BOccTher, BRad, BPhysT and BDietetics is based on academic merit, the National Benchmark Test and the Value-added Questionnaire.
- Selection for BOH – Oral Hygiene – is based on academic merit and the National Benchmark Test.

1.5.3 Minimum subject and level requirements:

Degree	Group A		Group B
	Two Languages	Mathematics	3 other subjects
MBChB	5 (60-69%) in English (at Home Language level or First Additional Language level) <u>and</u> another language (at Home Language Level or First Additional Language level)	5 (60-69%)	5 (60-69%) in Physical Science and 5 (60-69%) in two other subjects
BClinical Medical Practice	4 (50-59%) in English (at Home Language level or First Additional Language level) <u>and</u> another language (at Home Language level or First Additional Language level).	4 (50-59%)	4 (50-59%) in three other subjects
BPhysT	4(50-59%0) in English (at Home Language level or First Additional Language level) <u>and</u> another language (at Home Language level or First Additional Language level)	4 (50-59%)	4 (50-59%) in Physical Science and 5 (60-69%) in two other subjects
BDietetics	4 (50-59%) in English (at Home Language level or First Additional Language level) <u>and</u> another language (at Home Language level or First Additional Language level)	4 (50-59%)	4 (50-59%) in Physical Science and 4 (50-59%) in two other subjects
BRad	4 (50-59%) in English (at Home Language level or First Additional Language level) <u>and</u> another language (at Home Language level or First Additional Language level)	4 (50-59%)	4 (50-59%) in Physical Science and 4 (50-59%) in two other subjects

BOccTher	4 (50-59%) in English (at Home Language level or First Additional Language level) <u>and</u> another language (at Home Language level or First Additional Language level)	4 (50-59%)	5 (60-69%) in Physical Science and 4 (50-59%) in two other subjects
BCur	4 (50-59%) in English (at Home Language level or First Additional language level) <u>and</u> another language (at Home Language level or First Additional language level)	Mathematics or Mathematical Literacy	4 (50-59%) in three other subjects
BChD	5 (60-69%) in English (at Home Language level or First Additional Language level)	5 (60-69%)	5 (60-69%) in Physical Science
BOH	4 (50-59%) in English (at Home Language level or First Additional Language level) and another language (at Home language or First Additional Language level)	Mathematics or Mathematical Literacy	4 (50-59%) in Life Sciences

2. **Registration for a particular year of study**

At the beginning of an academic year, a student registers for all the modules he or she intends taking in that particular year (whether these be first-semester, second-semester or year modules).

3. **Credit for modules passed by unregistered students**

There are students who attend lectures, write tests and examinations and in this manner earn marks, but have either not registered for modules or have not registered as students at all. These marks will not be communicated to any student before he/she has provided proof of enrolment.

A student cannot obtain any credits in a specific academic year for a module 'passed' in this manner during a previous academic year and for which he/she was not registered. This arrangement applies even where the student is prepared to pay the tuition fees.

4. **Academic Literacy Test**

All new undergraduate students who register at the University of Pretoria, will be required to write an academic literacy test. On the grounds of this test, students will be required to follow compulsory academic literacy modules (EOT modules) which they must pass as one of the requirements for obtaining their degree. In specific cases, the academic literacy modules may be replaced by other modules as approved by the Chairperson of the School.

5. **Computer and information literacy**

The University of Pretoria requires all undergraduate students to complete the module AIM 101 Academic information management 101.

Details of the module can be found in the LIST OF SERVICE MODULES.

6. **Subminimum in examination papers**

Where applicable, the subminimum required in examinations appears in the regulations of the degree/diploma in question and in the syllabi of the modules in question.

With regard to MBChB:

A subminimum may be required in each module or practical component from which a specific block is compiled, in order to pass in the block in question.

7. **Examinations**

The examinations in first-semester modules take place in May/June, while all other examinations (second-semester modules, year modules and blocks of the MBChB degree programme) take place in October/November.

Consult the study manual of a given block for details of the School requirements for examinations in the MBChB curriculum.

8. **Ancillary examinations**

After conclusion of an examination and before examination results are announced, the examiners may summon a student for an ancillary examination on particular aspects of a module.

Details in respect of a School's requirements for ancillary examinations are published in the study guide of a given block.

9. **Extraordinary examinations (including aegrotats)**

Subject to the stipulations of General Regulation G.12, the period during which an extraordinary examination will take place in the School of Medicine, will be determined by the lecturer concerned, in consultation with the relevant head of department or block chairperson, provided that the examination in a block should take place during the second examination period, if possible.

If an examination consists of more than one evaluation modality, the examination as a whole must be repeated, even if part thereof has already been completed.

10. **Re-marking of examination scripts**

In accordance with the stipulations of General Regulation G.14, departments give feedback to students after an examination on the framework used by the examiners during the examination. The way in which feedback is given, is determined by the head of department. Students may, after perusal, and in the case of MBChB students, after the examination period (which includes the examination and the second examination), within 14 calendar days after commencement of the lectures in the next semester, and after payment of the prescribed fee, apply for the re-marking of an examination script, by an examiner (in the case of MBChB study an **external** examiner from outside of the University) appointed by the head of department concerned.

The School of Medicine furthermore defines the relevant regulation as follows:

(i) A student has the right of **perusal** of his or her examination script **before** applying for the re-marking of the examination script.

The following is determined by perusal of the script:

- Whether all the answers have been marked.
- Whether the marks awarded, have been calculated correctly.
- Whether the student did in fact answer all the questions.

(ii) **During perusal, the student, the lecturer as well as a third person must be present.**

If a discussion about the content of the answers in the script develops, the student must be referred to the administration of the School in question, **where he or she applies for the re-marking of the examination script.**

11. **Second examination opportunity**

- (i) A student may be admitted to a second examination in a module in the following instances [excepting specific faculty requirements in respect of second examinations in specific blocks for the first to the fifth year of study for the MBChB degree (consult Reg. M.1(b)) and the first and second year of study for BChD (consult Reg.D.1(b)):
 - (aa) If a final mark of between 40% and 49% has been obtained.
 - (bb) If a pass mark has been obtained but not the required subminimum of 40% in the examination as a whole; or
 - (cc) If a pass mark has been obtained but not the required subminimum in subsections of the module.
- (ii) A student must obtain a minimum of 50% in the second examination to pass.
- (iii) The semester/year/continuous evaluation mark is taken into account only if a student did not obtain at least 50% in the second examination of a first-semester module at 100 level.
- (iv) The highest final mark (pass mark) that can be awarded to a student for a second examination, is 50%.

12. **Promotion**

In certain departments, students can be promoted to a next semester or level of a subject without writing the prescribed examination, provided that their preparation is satisfactory and a continuous evaluation mark of at least 65% has been obtained.

Departments where promotion as prescribed above is possible, will inform students in good time in this regard.

Note:

- Students obtain credit for a promoted module only after they have passed an examination in a consecutive module or modules of the subject in question at this University.
- Promotion as described above, **does not** refer to the option that medical students may exercise to have the block mark at the end of the year, validated as the final block mark for a relevant block (i.e. to be exempted from the block examination in the block), provided, inter alia, that a block mark of at least 60% has been obtained in the block in question.

13. **The examination moderating meeting**

13.1 **Students in Year 1 - 3:**

- (i) Students obtain class test, practical and block test marks in respect of each block and special activity (which are disclosed to students). These marks are processed into a block mark (which is not disclosed to students). Each block chairperson publishes a list of the registration numbers of students who have to sit the semester examination in his or her block. The block marks are submitted to Student Administration. Students with examination exemption, who nevertheless prefer to sit the block examination, may do so, but will then have to accept the final block mark (which is calculated from the block mark and the examination mark), even if it is less than the (original) block mark.
- (ii) The final block mark of the students who have to sit the examination, is only determined at the end of the block examination, from the contributions of the block mark and the examination mark. This final block mark will reflect the real mark obtained. The EMM (Examination Moderating Meeting) now takes place with the following objectives:

- Identification of the students who pass;
 - Identification of the students who fail and as a result, have to follow the remedial programme and sit the second block examination;
 - Validation of the block marks of the students who have been exempted from the examination, as the final block marks for the blocks in question; and
 - Identification of students who need study assistance.
- (iii) Students who fail the examination, must follow the remedial programme and sit the second block examination at the end of the second semester. Only the second block examination mark will count and the maximum that can be obtained is "50H".
- (iv) The performance of the students who have written the second examination, will be discussed at the second EMM, with the following objectives:
- Identification of the students who pass; and
 - Identification of the students who fail. In terms of the MBChB selection criteria, first- and second-year students who fail, must apply again for selection.

13.2 Students in Year 4 and the first half of Year 5: MBChB

- (i) During the blocks and special activities, students write the class tests as well as the block test. These marks are announced by the block chairperson.
- (ii) Students also do morning rotations, each of which is evaluated. There are eight morning rotations in Year 4, and five in the first half of Year 5. These rotation marks are announced by the relevant departments.
- (iii) The block mark is calculated from the different test marks, marks awarded for practical work and assignments, as well as the rotation(s) coupled to the specific block. In Year 4, this mark can only be calculated in middle September and in Year 5, only in middle May. These marks are not disclosed to students. A list of the registration numbers of students, who have not obtained examination exemption, is placed on the notice board by the block chairperson. These students are obliged to write the block examination. The block marks are submitted to Student Administration. Students who nevertheless choose to write the examination, even though they have been exempted from it, may do so, but will have to accept the final block mark, even if it is lower than the (original) block mark.
- (iv) The final block mark of the students who sit the examination is only calculated at the end of the block examination, from the contributions from the block mark and the examination mark. This final block mark will reflect the real mark obtained. An EMM is now being held, with the following objectives:
- Identification of the students who pass;
 - Identification of the students who fail and resultantly have to follow the remedial programme and sit the second block examination;
 - Validation of the block marks of the students with examination exemption, as their final block marks; and
 - Identification of the students who need study assistance.
- (v) Students who fail the examination, must follow the remedial programme and sit the second block examination, which will take place at the end of the second semester in Year 4, and at the beginning of the second semester in Year 5. Only the second block examination mark will count and a maximum of "50H" can be obtained.

- (vi) Students who sit the second examination, are discussed at the second EMM, with the following objectives:
 - Identification of the students who pass; and
 - Identification of the students who fail.

13.3 Student Interns: MBChB

13.3.1 All students

- (i) At the conclusion of each seven-week rotation, an end-of-rotation evaluation (EORE) takes place in the different departments. The aim with the EORE is the identification of those students who obtain examination exemption (semester examination) and those who are not exempted and will have to sit the examination at the end of the semester. All EOREs are supported by external examiners.
- (ii) The same process takes place in rotations with a duration of 3,5 weeks.
- (iii) No marks are disclosed to students, only the names and/or registration numbers of the students who must sit the semester examination.
- (iv) After conclusion of the semester examination (which extends over three days on dates determined beforehand), an EMM is held, with the following objectives:
 - Validation of the rotation marks as the semester examination mark, of the students who have obtained examination exemption. The rotation mark and the EORE mark contribute to the final mark.
 - Identification of the students who have passed the semester examination. The rotation mark and the semester examination mark contribute to the final mark;
 - Identification of the students who have failed the semester examination. These students are referred to Student Administration, as a new rotation division must now be followed; and
 - Identification of the students who need study assistance.

13.4 Students who repeat rotations: MBChB

- (i) Students who repeat rotations, do the EORE at the conclusion of the rotation that has been repeated. The objective is to obtain a pass mark. The continuous evaluation marks and the EORE mark contribute to the final mark.
- (ii) On the first Wednesday after the conclusion of the rotation, an EMM takes place at 13:00 (or a different timeslot as arranged), to evaluate the achievement of the students, who have repeated the rotation. The objectives of this EMM are:
 - Identification of the students who pass the rotation that has been repeated (final mark of 50% or more) (maximum indicated on the form is "50H");
 - Identification of the students who fail the rotation that has been repeated. These students are referred to Student Administration, as a new rotation division must now be followed; and
 - Identification of the students who need study assistance.
- (iii) The achievement of the students who have repeated a 3,5 week rotation, is discussed at the same EMM.

13.5 Students who are "finalists" at another time than the end of the sixth year of study: MBChB

- 13.5.1 Students who repeated previous rotations successfully, and who are now "finalists", but will be doing the current rotation for the first time:

- (i) These students do the EORE just like all other students do, the objective being, as in the case with other students, to identify those who do or do not obtain, exemption from the semester examination.
- (ii) Students who obtain examination exemption after the conclusion of the EORE, thus pass the rotation automatically.
- (iii) Students who do not obtain exemption from the semester examination after the conclusion of the EORE, must therefore sit the examination at the end of the relevant semester.
- (iv) In keeping with UP regulations, these students, who are completing their studies ("finalists"), who have only one course (rotation) to complete in order to comply with all the requirements for the MBChB degree, and who have not obtained examination exemption, may apply to sit a "special examination" the following week (at a time earlier than the semester examination where applicable). This examination (which will take place at an earlier time), must preferably be scheduled for the Monday or Tuesday of the following week. The department determines the format and due to the fact that the student has already been through the external evaluation process, the presence of an external examiner at the special examination is optional, although recommended. The final mark comprises the examination mark and must be 50% or more to pass. The marks must be available by the Wednesday in order that these students' marks can be submitted to the EMM, which will be held on that day.
- (v) The objectives of the EMM for this category of students are:
 - Identification of the students who have passed the special examination. These students complete the programme, and a special mini oath-taking ceremony is arranged for them; and
 - Identification of the students who have failed the special examination. These students fail the course, must repeat the relevant rotation and must therefore be referred to Student Administration.

13.6 Students who are "finalists", but who are repeating the current rotation (all circumstances - previously, or at a recent EMM, identified as having failed): MBChB

- (i) These students do the EORE as all other students. The objective is to obtain a pass mark. The continuous evaluation marks and the EORE mark contribute to the rotation mark, which, in this case, is also the final mark. The mark must be 50% or more, but the maximum that will be indicated on the form, is "50H".
- (ii) On the first Wednesday after the conclusion of the rotation, an EMM will be held at 13:00 (or another time slot as arranged), to evaluate the achievement of these students who are repeating the current rotation. The objectives of this EMM are:
 - Identification of the students who have passed the EORE/examination. These students thus complete the MBChB degree programme and a mini oath-taking ceremony will be arranged for them; and
 - Identification of the students who have failed the EORE/examination. These students thus fail the rotation, must repeat the relevant rotation and must therefore be referred to Student Administration.
- (iii) Students in this category, who are only repeating a 3,5 week rotation, will follow the exact same route, but a unique EMM will be arranged shortly after completion of the EORE/examination. The same objectives will apply.

14. **Conferment of the MBChB degree during graduation ceremonies**

Students who will comply with all the requirements for the MBChB degree by 28 February, will receive the degree in question officially during the Autumn graduation ceremonies in April of the particular year.

Students who will only comply with all the requirements for the MBChB degree during or after March, will receive the degree in question officially during the Spring graduation ceremonies in September of the particular year.

DEGREES AND DIPLOMAS CONFERRED/AWARDED

The following degrees and diplomas are conferred/awarded in the Faculty of Health Sciences in respect of the Schools of Dentistry, Healthcare Sciences, Health Systems and Public Health and Medicine (minimum duration of study in brackets):

(a) **Bachelor's degrees:**

- (i) Bachelor of Medicine and Surgery – [MBChB] (6 years)
- (ii) Bachelor of Clinical Medical Practice – [BClinical Medical Practice] (3 years)
- (iii) Bachelor of Dentistry – [BChD] (5 years)
- (iv) Bachelor of Oral Hygiene – [BOH] (3 years)
- (v) Bachelor of Nursing Science – [BCur] (4 years)
- (vi) Bachelor of Nursing Science (Education and Administration) – [BCur(I et A)] (3 years)
- (vii) Bachelor of Radiography – [BRad] (3 years) (Fields of specialisation: Consult Reg. H.7)
- (viii) Bachelor of Occupational Therapy – [BOccTher] (4 years)
- (ix) Bachelor of Physiotherapy – [BPhysT] (4 years)
- (x) Bachelor of Dietetics – [BDietetics] (4 years)

(b) **Honours degrees:**

- (i) Bachelor of Science Honours – [BScHons] (1 year full-time; 2 years part-time)
[Fields of specialisation mentioned under the relevant schools]
- (ii) Bachelor of Radiography Honours – [BRadHons] (1 year) [Fields of specialisation: Consult Reg. H.8(b)]
- (iii) Bachelor of Nursing Science Honours – [BCurHons] (1 year) (Suspended until further notice)
- (iv) Bachelor of Occupational Therapy Honours – [BOccTherHons] (2 years) (Suspended until further notice)
- (v) Bachelor of Dietetics Honours – [BDieteticsHons] (1 year full-time, or a maximum of 5 semesters part-time)

(c) **Master's degrees:**

- (i) Master of Medicine – [MMed] (4 to 5 years) (The field of specialisation is indicated in brackets – consult Reg. M.3).
- (ii) Specific master's degrees:
 - (aa) Master of Medical Pharmacology – [MPharmMed] (3 years)
 - (bb) Master of Military Medicine – [MMilMed] (3 years)
 - (cc) Master of Philosophy in Philosophy and Ethics of Mental Health – [MPhil (Philosophy and Ethics of Mental Health)] (1 year full-time or 2 years part-time – with choice of e-learning)
 - (dd) Master of Philosophy in Pain Management – [MPhil (Pain Management)] (2 years with 3 contact sessions per year)
 - (ee) Master of Early Childhood Intervention – [MECI] (2 years part-time)
 - (ff) Master of Public Health – [MPH] (2 years)

- (iii) Master of Science – [MSc] (1 year) [Fields of specialisation mentioned under the different schools.]
 - (iv) Master of Nursing Science – [MCur] (1 year) [Fields of specialisation: consult Reg. H.4]
 - (v) Master of Radiography – [MRad] (1 year) [Fields of specialisation: consult Reg. H.9]
 - (vi) Master of Occupational Therapy – [MOccTher] (2 years) [Fields of specialisation: consult Reg. H.13]
 - (vii) Master of Physiotherapy – [MPhysT] (2 years) [Fields of specialisation: consult Reg. H.17]
 - (viii) Master of Dietetics – [MDietetics] (1 year)
 - (ix) Master of Science Dentistry – [MScDent] (4 semesters part-time)
 - (x) Master of Dentistry – [MChD] (4 to 5 years) (Fields: See Reg. D.3)
- (d) **Doctorates:**
- (i) Doctor of Philosophy – [PhD] (1 year) (Schools of Medicine, Healthcare Sciences, Dentistry and Health Systems and Public Health) [Fields mentioned under different schools]
 - (ii) Doctor of Medicine – [MD] (1 year) [Fields of specialisation: consult Reg. M.13]
 - (iii) Doctor of Nursing – [DCur] (by virtue of publications)
 - (iv) Doctor of Occupational Therapy – [DOccTher] (1 year)
 - (v) Doctor of Science – [DSc] (by virtue of publications)
- (e) **Diplomas:**
- (i) Postgraduate Diploma in Family Medicine – (1 year)
 - (ii) Postgraduate Diploma in General Ultrasound – [PGDipGUS] (2 years)
 - (iii) Postgraduate Diploma in Dentistry – [PGDipDent] (2 semesters part-time)
 - (v) University Diploma in Oral Hygiene – [UnivDipOH] (2 years)
(Replaced by Bachelor of Oral Hygiene)
 - (v) Advanced University Diploma in Oral Hygiene – [AdvUnivDipOH]
(2 semesters part-time)
 - (vi) Postgraduate Diploma in Vocational Rehabilitation – [DVR] (1 year)
 - (vii) Postgraduate Diploma in Interpersonal Communication and Group Techniques in Occupational Therapy – [DCG] (1 year) (Suspended until further notice)
 - (viii) Postgraduate Diploma in Group Activities – [DGA] (1 year)
 - (ix) Postgraduate Diploma in the Handling of Childhood Disability – [DHCD] (1 year)
 - (x) Postgraduate Diploma in Hand Therapy – DHT (1 year)
 - (xi) Postgraduate Diploma in Dietetics – (1 year) (Suspended until further notice)
 - (xii) Postgraduate Diploma in Tropical Medicine and Health – [DTM&H] (1 year)
 - (xiii) Postgraduate Diploma in Public Health – [DPH] (2 years)
 - (xiv) Postgraduate Diploma in Health Systems Management – [DHSM] (2 years)
 - (xv) Postgraduate Diploma in Occupational Medicine and Health – [DOMH] (2 years)
 - (xvi) Postgraduate Diploma in Occupational Health – [DipOH] (2 years)
 - (xvii) Postgraduate Diploma in Clinical Evidence and Healthcare – [DipCEHM] (2 years) (Suspended)
 - (xviii) Postgraduate Diploma in Public Health Medicine – [DipPHM] (2 years)
- Note:** Students who take a module offered by another faculty, must familiarise themselves with the admission requirement and/or prerequisites for the module in question as well as subminimum in examinations, second examinations, etc.

General Regulations G.1 to G.15 apply to a bachelor's degree.

Note: The four Schools in the Faculty, each with the regulations of their different programmes, appear in alphabetical order in this publication:

School of Dentistry
 School of Healthcare Sciences
 School of Health Systems and Public Health
 School of Medicine

SCHOOL OF DENTISTRY

I. BACHELOR'S DEGREES

General Regulations G.1 to G.15 are applicable to bachelor's degrees

D.1 Bachelor of Dentistry [BChD] (Code 11130001)

NB

Selection of candidates takes place prior to admission.

Each student in Dentistry must apply to the Registrar of the Health Professions Council of South Africa for registration as a student in Dentistry, within two months after the commencement of the first year of study. Students, who have been granted exemption from the first or second year of study, must also comply with the registration requirements.

(a) **Duration**

Five years of full-time study.

(b) **Passing a block/special activity (BChD I and II)**

- (i) A **block mark** is calculated from the continuous evaluation opportunities during the course of the presentation of the block or special activity in question. These evaluations shall include one or more of the following:
- (aa) Evaluations regarding theoretical knowledge.
 - (bb) Evaluations regarding clinical knowledge and skills.
 - (cc) Compulsory attendance at and active participation in prescribed activities.
 - (dd) A final comprehensive block test moderated by external examiners.
- (ii) Students may exercise the option to have the block mark **at the end of the year** validated as the **final block mark** for the block in question, (i.e. they are exempted from the block examination for this block), provided that they comply with the following requirements:
- (aa) The abovementioned block mark is more than 60%.
 - (bb) Proven attendance of all applicable block-specific activities, namely:
 - All tests/continuous evaluations;
 - All practicals and morning ward round activities;
 - All relevant skills laboratory activities;
 - All relevant community-based education activities;
 - All clinical rotations.
 - (cc) A pass mark in the clinical rotation test.
 - (dd) Attendance at the block in question from Day 1.
 - (ee) No conviction by the Faculty Preliminary Disciplinary Committee (Student offences), of any form of dishonesty or fraud.

- (iii) A **block examination** is granted to all registered students regardless of the block mark.
 - (iv) The **final block mark** is calculated from the final examination mark and the block mark (continuous evaluation) in a 50:50 or 60:40 ratio, depending on the year of study and/or block-specific regulations. The formula according to which the final block mark is calculated, will be set out in the block book (study manual) and communicated to students at the commencement of the programme.
 - (v) In order to pass a block/special activity, a **subminimum of 50%** is required for the **examination mark**, implying that a student who obtains a block mark of more than 50% and an examination mark of less than 50%, with a combined block mark of more than 50%, fails the block and will thus be admitted to a second examination.
 - (vi) A **second examination in a block** will be granted to all students who have not passed a specific block.
 - (vii) As a rule, the **second examination** in question will take place in November/December of the same year, or in January of the following year. A minimum of 50% is required in order to pass in the second examination.
 - (viii) An **aegrotat** or **extraordinary examination** is granted to a student who could not participate in the block examination due to illness or other acceptable reasons. Students must apply formally for such an examination, and where applicable, the Dean and Chairperson of the School may first require a recommendation from the Faculty Health Committee before approving an application for admission to an aegrotat.
All modalities of a final examination must be completed jointly as an aegrotat or an extraordinary examination, even if part of it has already been completed as part of the examination taken in the previous examination period. The final block mark is calculated from the marks of all the divisions/modalities of the aegrotat or extraordinary examination and the block mark in question (continuous evaluation mark). The same criteria set for a final mark in a block, are applicable in this case.
- (c) **Repeating blocks and/or special activities (and thus the year of study)**
- (i) Students must pass all the blocks of a particular year of study in order to be admitted to the next year of study.
 - (ii) Students who repeat the first or second year of study are exempted from the blocks and/or special activities, which have been passed in the unsuccessful year. The examination moderating meeting, in conjunction with the Dean/Chairperson of the School of Dentistry, retains the right to only award a pass mark in the said blocks and/or special activities, if the student complies with the following requirements regarding those blocks and/or special activities:
 - That the mark awarded to the relevant block or special activity was not awarded on the grounds of condonement;
 - That the student attended the relevant block or special activity regularly and furthermore complied with all other requirements.
- (d) **Examinations and pass requirements, subminima and continuous evaluation mark**
- (i) In accordance with the stipulations of General Regulation G.10 (2), no minimum year or semester mark is required for admission to the examination: Provided that the different year and semester modules in a

School need not be handled in the same manner, although a great degree of uniformity is expedient. Any other requirements for admission to the examination are set out in the study manuals. A final mark of at least 50% is required to pass (see also Reg. D.1(b) (i)). The pass mark for essays is at least 50%. The stipulations of Gen. Reg. G.60.2.1.2 (a) regarding requirements for dissertations apply *mutatis mutandis* to essays.

- (ii) **Subminimum**
A subminimum of 40% is required in the written section of an examination, with a subminimum of 50% in the clinical section of a module. At the beginning of the academic year, the head of department informs the students of the required subminimum in subsections of the modules offered by the department in question. This information is also published in the study manual.
 - (iii) **Continuous evaluation mark**
A student obtains marks for practical and clinical work, for tests and also for assignments completed during the course of an academic year.
 - (iv) A student who repeats a year of study and who must acquire certificates of satisfactory preparation in failed modules, must comply with all the requirements set by the head of department.
- (e) **Provisions regarding promotion modules**
The stipulations of General Regulation G.10.1 concerning satisfactory preparation and progress also apply to modules where a promotion test is required. Supplementary examination marks and pass marks in promotion modules are awarded according to the stipulations of General Reg. G.12: Provided that:
- (i) Promotion is based on theoretical and/or practical and/or clinical evaluation throughout the year and a minimum of 50% is required to be promoted.
 - (ii) A student, who has obtained a year mark of less than 50% can be admitted by the examination moderating meeting to a supplementary promotion test in the relevant promotion module.
 - (iii) Students repeating a year of study retain credit for examination modules passed, unless determined otherwise, but a certificate of satisfactory preparation and progress must be obtained in all the promotion modules.
 - (iii) In order to comply with the requirements for (iii) and to maintain a specified level of clinical skills, the extent of involvement of students in successfully completed promotion modules is determined by the relevant module chairperson, at the commencement of the year, and agreed with the student(s) concerned.
- (f) **Academic exclusion from further study**
- (i) A student following a BChD degree will only be allowed two opportunities to repeat a year of study.
 - (ii) A student who does not comply with the abovementioned requirement but nevertheless wishes to be admitted to the School, may request the Dean/Chairperson of the School in writing, to consider his or her application for readmission in accordance with the prescribed procedure.
 - (iii) If a student fails one or more first-year modules (and therefore is not admitted to the second year of study), such a student forfeits his or her selection and must apply again for selection with a view to admission to the first year of study.
 - (iv) A student, who has failed BChD II, forfeits his or her selection and must apply again for selection with a view to readmission to the second year of study.

(g) BChD programme: five-year curriculum

Total number of credits: 926

(credits for fundamental content: 306, core content: 581, elective content: 130)

First year

Module	Module code	Credits
General physics 131	PHY 131	16
People and their environment 112	MGW 112	6
Molecular and cell biology 111	MLB 111	16
Medical terminology 180	MTL 180	12
Chemistry 151	CMY 151	16
Science and world views 155	FIL 155	6
Introduction to clinical pharmacotherapy 128	GNK 128	10
Orientation 120	GNK 120	5
Molecule to organism 121	BOK 121	40
People and their environment 127	GNK 127	10
Special study module 121	SMO 121	5
Longitudinal clinic attachment programme 180	LCP 180	-
Academic information management 101	AIM 101	6
Academic literacy 110,120	EOT 110, 120	12
Total credits (excluding AIM and EOT modules):		136

Second year

Module	Module code	Credits
Homeostasis 280	BOK 280	42
Anatomy (Dissection) 288	GNK 288	37
People and their environment 283	BOK 283	31
Pathological conditions 285	BOK 285	22
Infectious diseases 287	BOK 287	23
Basic emergency care 286	GNK 286	5
Generic procedural skills 280	GPS 280	2
Introduction to clinical dentistry 200	IKT 200	10
Special study module 211	SMO 211	5
Special study module 281	SMO 281	5
Longitudinal clinic attachment programme	LCP 280	-
Total credits:		180

Third year

Module	Module code	Credits
Head and neck anatomy 388	GNK 388	12
Oral biology 370	MDB 370	11
Applied medicine 370	TGG 370	11
Applied physiology 370	FSG 370	12
Clinical pharmacotherapy 370	FAR 370	8
Generic procedural skills 370	GPS 370	5
Comprehensive patient management 370	TBW 370	10
Odontology 370	ODO 370	42
Periodontology 370	PDL 370	8
Orthodontics 370	ORD 370	6
Orofacial surgery 370	OFC 370	12
Prosthodontics 370	PRD 370	41
Diagnostic imaging 370	RAD 370	8
Total credits:		186

Fourth year

Module	Module code	Credits
Comprehensive patient management 470	TBW 470	12
Odontology 470	ODO 470	71
Maxillo-facial pathology 470	MFP 470	11
Periodontology 470	PDL 470	8
Orthodontics 470	ORD 470	21
Oro-facial surgery 470	OFC 470	41
Prosthodontics 470	PRD 470	26
Community as patient 470	GAP 470	4
Applied human systems 470	TMZ 470	16
Diagnostic imaging 470	RAD 470	13
Total credits:		223

Fifth year

Module	Module code	Credits
Comprehensive patient management 570	TBW 570	14
Odontology 570	ODO 570	52
Maxillo-facial pathology 570	MFP 570	10
Periodontology 570	PDL 570	16
Orthodontics 570	ORD 570	22
Oro-facial surgery 570	OFC 570	42
Prosthodontics 570	PRD 570	31
Community as patient 570	GAP 570	6
Diagnostic imaging 570	RAD 570	8
Total credits:		201

(h) First year of study**(i) Curriculum
First semester****Examination modules**

CMY 151	Chemistry 151*
FIL 155	Science and world views 155
MGW 112	People and their environment 112
MLB 111	Molecular and cell biology 111*
PHY 131	General physics 131*
MTL 180	Medical terminology 180

*Refer to par. 1.2 of GENERAL ACADEMIC INFORMATION in this publication.

IMPORTANT:

- Apart from the examination modules mentioned above, the following compulsory **academic information management module** must also be passed during the first semester of the first year of study: AIM 101.
- Consult also par 5 of GENERAL ACADEMIC INFORMATION in this publication.
- All new first-year students at the University must write an **academic literacy test**. On the grounds of the outcome of this test, students will either be exempted from the following **academic literacy modules**, or if they have failed the test mentioned above, will be required to pass in the relevant modules: EOT 110 and 120.
- The first semester of the year module PHY 181 is the same as PHY 131 mentioned above.

- (ii) **Failed candidates/Admission to the second semester of BChD I**
- (aa) Selected first-year students, who have passed a sufficient number of prescribed first-semester modules at 100 level will, in accordance with the stipulations of General Regulation G.3, automatically be admitted to the second semester of the first year of study. During the second semester, the students will be admitted to an examination on an anti-semester basis in the first-semester module(s) still outstanding, if this can be accommodated in the timetable.
- (bb) In the School of Dentistry, a student may not repeat more semester modules than the equivalent of eight lectures per week on an anti-semester basis in the second semester.

Second semester

Blocks/Special activities

GNK 120	Orientation 120
BOK 121	Molecule to organism 121
GNK 127	People and their environment 127
GNK 128	Introduction to clinical pharmacotherapy 128
SMO 121	Special study module 121 (Linked to BOK 121)
LCP 180	Longitudinal clinic attachment programme 180

Regarding the Longitudinal clinic attachment programme (L-CAS activities) of an academic year (module code LCP 180 above), students must hand in a portfolio at the end of the academic year which will be assessed. Satisfactory attendance will furthermore be required regarding this module to pass the year.

(iii) **Block examinations and second examinations**

Consult Reg. D.1 (b).

(i) **Admission to the second year of study**

A student must pass all the modules of the first year of study for admission to the second year of study.

(j) **Second year of study**

(i) **Curriculum**

First semester

Blocks/Special activities

BOK 280	Homeostasis 280
GNK 288	Anatomy (Dissection) 288
BOK 283	People and their environment 283
GPS 280	Generic procedural skills 280
SMO 211	Special study module 211
LCP 280	Longitudinal clinic attachment programme 280

Second semester

Blocks/Special activities

BOK 285	Pathological conditions 285
BOK 287	Infectious diseases 287
GNK 286	Basic emergency care 286
IKT 200	Introduction to clinical dentistry 200
SMO 281	Special study module 281 (Linked to BOK 285 & 287)
LCP 280	Longitudinal clinic attachment programme 280

Note:

Regarding the Longitudinal Clinic Attachment Programme (L-CAS activities) of an academic year (module code LCP 280 above), students must hand in a portfolio at the end of the academic year which will be assessed. Satisfactory attendance will furthermore be required regarding this module to pass the year.

- (ii) **Block examinations and second examinations**
As set out in Reg D.1 (b).
 - (iii) **Failed candidates**
A student, who has failed BChD II, will again be subjected to selection with a view to readmission to the second year of study. Also consult Reg. D.1 (c) concerning students who fail some blocks of a year (and therefore the year of study).
- (k) **Admission to the third year of study**
A student must pass all the modules of the second year of study for admission to the third year of study.
- (l) **Third year of study**
- (i) **Curriculum**
 - Examination modules**
 - GNK 388 Head and neck anatomy 388
 - MDB 370 Oral biology 370
 - TGG 370 Applied medicine 370
 - FSG 370 Applied physiology 370
 - FAR 370 Clinical pharmacotherapy 370
 - Attendance module**
 - GPS 370 Generic procedural skills 370
 - Promotion modules**
 - TBW 370 Comprehensive patient management 370
 - ODO 370 Odontology 370
 - PDL 370 Periodontology 370
 - ORD 370 Orthodontics 370
 - OFC 370 Oro-facial surgery 370
 - PRD 370 Prosthodontics 370
 - RAD 370 Diagnostic Imaging 370
 - (ii) **Supplementary examinations**
Concerning the examination modules: As set out in GENERAL ACADEMIC INFORMATION par. 11.
 - (iii) **Supplementary examinations in promotion modules**
Consult Reg. D.1(e).
- (m) **Admission to the fourth year of study**
A student must pass all the modules of the third year of study for admission to the fourth year of study.
- (n) **Fourth year of study**
- (i) **Curriculum**
 - Examination module**
 - TMZ 470 Applied human systems 470
 - RAD 470 Diagnostic imaging 470
 - Promotion modules**
 - ODO 470 Odontology 470

PDL 470	Periodontology 470
ORD 470	Orthodontics 470
OFC 470	Oro-facial surgery 470
PRD 470	Prosthodontics 470
MFP 470	Maxillo-facial pathology 470
TBW 470	Comprehensive patient management 470
GAP 470	Community as patient 470

(ii) **Supplementary examinations**

A student who obtains between 40-49% in examination and promotion modules, is admitted to supplementary examinations. Should he or she fail this supplementary examination/promotion test, the fourth year has to be repeated. When a year of study has to be repeated, the student retains credit for the examination modules passed. Consult Reg. D.1 (e) regarding the certificate of satisfactory preparation and progress, which must be obtained in the year of repetition in all promotion modules already passed, as well as the extent of involvement of students regarding promotion modules already passed, in order to maintain a specific level of clinical skills.

(o) **Admission to fifth year of study**

A student must pass all the modules of the fourth year of study for admission to the fifth year of study.

(p) **Fifth year of study**

(i) **Curriculum**

Attendance module

RAD 570 Diagnostic imaging 570

Examination modules

ODO 570 Odontology 570

PDL 570 Periodontology 570

ORD 570 Orthodontics 570

OFC 570 Oro-facial surgery 570

PRD 570 Prosthodontics 570

MFP 570 Maxillo-facial pathology 570

TBW 570 Comprehensive patient management 570

GAP 570 Community as patient 570

(ii) **Examinations**

(aa) Students may exercise the option to have the **year mark** for the module (TBW 570) Comprehensive patient management 570 validated as the **final mark** at the **end of the fifth year of study** (i.e. they are exempted from the examination in this module), if they comply with the following requirements:

- The abovementioned year mark is at least 60%.
- Proof of attendance and participation in all applicable module-specific activities, namely:
 - All tests/continuous evaluations.
 - All visits to practices/clinics.

(bb) A student who has failed the clinical part of any module in the final examination, will be required to repeat that module. The period which must elapse before the student may again sit an examination, is determined by the dean, on the recommendation of the examination moderating committee. A student who repeats a module, must obtain certificates of satisfactory preparation in all the other modules that he/she has passed.

- (dd) A student who has failed the theoretical part of any module in the final examination, will be admitted to a supplementary examination in that part of the module. A student who fails the supplementary examination may sit an examination at the end of the ensuing semester, but must obtain certificates of satisfactory preparation in all the other modules that he/she has passed.
- (q) **Pass with distinction**
The degree is conferred with distinction on a student who has obtained at least 65% in all the examination modules of the final year of study, with an average of at least 75% for all the modules.

D.1A Bachelor of Oral Hygiene [BOH] (Code 11130011)
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General Regulations G.1 to G.15 are applicable to bachelor's degrees.

- (a) **Admission requirements**
A valid National Senior Certificate (NSC) certified for degree purposes with an achievement rating of 4 (50-59%) in four 20-credit subjects (NSC consists of four subjects from group A and three subjects from group B).

Admission Point Score (APS)

Total of 20 rating points.

Candidates are selected for admission to this programme and application must be made in the prescribed manner.

To be able to gain access to the Oral Hygiene degree programme, prospective students require the appropriate combinations of recognised NSC subjects as well as certain levels of achievement in the following minimum subjects:

Group A subjects:

- English (Home language level or First additional language level); Rating 4 (50-59%) and
- Another Language (at Home language level or First additional language level); Rating 4 (50-59%)
- Mathematics or Mathematical Literacy; Rating 4 (50-59%)
- Life Orientation (excluded when calculating the APS); Rating 5 (60-69%)

Group B subjects

- Life Sciences; Rating 4 (50-59%)
- Two other subjects from Group B; Rating 4 (50-59%)

- (b) **Nature and duration of programme**
Three years of full-time study.

- (c) **Curriculum**

(i) **First year of study**

Module	Module code	Credits
Examination modules		
Academic competency in oral health 171	ACO 171	12
Anatomy 171	ANA 171	8
Pharmacology 171	FAR 171	5

Physiology 171	FLG 171	8
Microbiology and immunology 171	GMB 171	8
Oral biology 171	MDB 171	8
Promotion modules		
Odontology 171	ODO 171	12
Orthodontics 171	ORD 171	9
Periodontology 171	PDL 171	12
Comprehensive patient management 171	TBW 171	2
Preventive oral health 171	VKM 171	15
Academic information management 101	AIM 101	6
Academic literacy 110, 120	EOT 110, 120	12
Attendance module		
First aid	NHS 171	5
Total credits:		124

- (ii) **Second year of study** (credits of modules indicated between brackets)

Examination modules

- ODO 271 Odontology 271 (7)
 OFC 271 Orofacial surgery 271 (11)
 RAD 271 Radiography 271 (20)
 PDL 271 Periodontology 271 (11)
 ORD 271 Orthodontics 271 (6)

Promotion modules

- GAP 271 Community as patient 271 (14)
 VKM 271 Preventive oral health 271 (58)
 TBW 271 Comprehensive patient management 271 (3)

- (iii) **Third year of study** (credits of modules indicated between brackets)

Examination modules

- RAD 371 Radiography 371 (20)
 GAP 371 Community as patient 371 (13)
 MFP 371 Maxillofacial pathology 371 (8)
 VKM 371 Preventive oral health 371 (36)
 PSB 371 Patients with special needs 371 (12)
 RCH 371 Research 371 (5)
 TBW 371 Comprehensive patient management 371 (3)
 COU 371 Counselling 371 (5)
 OFC 371 Orofacial surgery 371 (6)

Elective modules (one of the following):

- ORD 372 Orthodontics 372 (22)
 PDL 372 Periodontology 372 (22)
 POH 371 Public oral health 371 (22)

- (d) **Admission to the second year of study**

- (i) To be admitted to the second year of study, a student must pass in all the first-year modules.
- (ii) Students who are repeating the first year of study, retain credit for examination modules passed, unless otherwise stipulated, but have to obtain a certificate of satisfactory preparation and progress in all the promotion modules. In order to comply with the requirements mentioned above, and to maintain a specific level of clinical skills, the extent of involvement of students in promotion modules passed, will be contracted

- by the module chairperson with the student(s) concerned, at the commencement of the academic year.
- (iv) A pass mark of at least 70% is required in the attendance module. A pass mark of at least 70% is required in the promotion module VKM 171 Preventive oral health 171.
- (e) **Admission to the third year of study**
- (i) To be admitted to the third year of study, a student must pass in all the second-year modules.
 - (ii) Students who are repeating the second year of study, retain credit for examination modules passed, unless otherwise stipulated, but have to obtain a certificate of satisfactory preparation and progress in all the promotion modules. In order to comply with the requirements mentioned above, and to maintain a specific level of clinical skills, the extent of involvement of students in promotion modules passed, will be contracted by the module chairperson with the student(s) concerned, at the commencement of the academic year.
 - (iii) A pass mark of at least 70% is required in the promotion module VKM 271 Preventive oral health 271.
- (f) **Examinations of the first, second and third year of study**
- (i) A subminimum of 50% in the examination is required in respect of the examination modules, with a final mark of at least 50% to pass.
 - (ii) A pass mark of at least 70% is required in Preventive oral health.
 - (iii) A student who fails the clinical part of one or more of the modules of the third year must repeat those modules in the ensuing semester, with an examination at the end of the semester.
The dean on the recommendation of the examination moderating committee, will determine the time that must elapse before the student may again report for examination. Students, who are repeating the year of study, retain credit for modules passed, unless determined otherwise, but a certificate of satisfactory preparation and progress must be obtained in all modules passed.
 - (iv) A student who has failed the theoretical part of any module in the third year, final examination, will be admitted to a supplementary examination in that part of the module. A student who fails the supplementary examination may, subject to other faculty regulations, sit an examination at the end of the ensuing semester, but must obtain certificates of satisfactory preparation in all the other modules that he/she has passed.
 - (v) In order to comply with the requirements in (iii) above, and to maintain a specific level of clinical skills, the extent of students' involvement in modules passed, will be contracted with the students concerned, by the module chairperson, at the beginning of the year.
 - (vi) The requirement as stipulated in par.(f.)(i) above, will apply to students who, after repeating a semester, again fail some of the modules.
- (g) **Academic exclusion**
- (i) A student following the Oral Hygiene programme will only be allowed two opportunities to repeat a year of study.
 - (ii) A student who does not comply with the abovementioned requirements but nevertheless wishes to be admitted to the School, may request the Dean/Chairperson in writing to consider his or her application for readmission in accordance with the prescribed procedure.

- (iii) A student who fails the first year of study must apply for readmission to the programme.
- (h) **Degree with distinction**
The degree is conferred with distinction on a student who obtains an average of at least 75% in the examination modules of the third year of study, and at least 65% in all the examination modules of the final year of study.

II MASTER'S DEGREES

D.2 Master of Science Dentistry [MScDent]

Also consult General Regulations G.30 to G.44.

- (a) **Option 1: Main field of study: General**
(Field of study code 11252001):
 - (i) **Admission requirements**
Subject to the stipulations of General Regulations G.9 and G.30, the BChD degree or an equivalent qualification is required, as well as the Postgraduate Diploma in Dentistry [PGDipDent]. The candidate may be exempted from the latter qualification at the discretion of the head of the department concerned and with the dean's approval.
Candidates in possession of an applicable bachelor honours degree or equivalent qualification may be admitted to study in certain specialised basic dental sciences at the discretion of the head of department concerned and according to General Regulation G.30.2, and with the dean's approval.
 - (ii) **Duration**
At least four semesters of part-time study.
 - (iii) **Curriculum**
 - (aa) **Attendance course** TNM 800 Applied research methodology 800
 - (bb) **An examination (ODO 800) and dissertation (ODO 890)**
 - An examination on an approved programme of advanced study and tuition in an applicable area of Dentistry.
 - A dissertation related to the major subject. In the final evaluation, the dissertation and the examination mentioned in (bb) will carry equal weight. A minimum pass mark of 50% is required for the dissertation, with a minimum of 50% as pass mark in the examination.
- (b) **Option 2: Main field of study: Oral Surgery**
(Field of study code 11252004)
 - (i) **Admission requirements**
Subject to the stipulations of General Regulations G.9 and G.30, the BChD degree is required, as well as the Postgraduate Diploma in Dentistry [PGDipDent] with the main field of study Oral Surgery (Oral Surgery with a minimum pass mark of 65%).
 - (ii) **Duration**
A minimum of four semesters part-time study. Studies must be completed within six semesters and Part I and II of the study programme must extend over a maximum of four semesters.

(iii) **Curriculum****Part I****Basic subjects (prerequisite for Part II):**

- CBA 800 Anatomy and principles of surgery 800
 CBR 800 Maxillo-facial radiology and principles of surgery 800
 ANA 870 Anatomy 870
 FSG 806 Physiology 806
 FAR 809 Pharmacology 809

(A minimum of two basic subjects is required. These basic subjects may be passed at the University of Pretoria or the College of Maxillo-facial and Oral Surgery of the Colleges of Medicine of South Africa or may be part of the PGDipDent in Oral Surgery, or promoted/passed with a minimum pass mark of 65% from another tertiary institution (see also General Regulation G.10.3(b)).

Attendance course:

TNM 800 Applied research methodology 800

Part II

KGM 891 Clinical training 891

Maxillo-facial and oral surgery: 240 hours of clinical or theme-related practical training.

Students who hold the Postgraduate Diploma in Dentistry [PGDipDent] with Oral Surgery as the main field of study, may apply in writing for credit for the basic subject, clinical training and the written final examination in Oral Surgery, provided that a minimum of 65% has been obtained in the basic subject at the University of Pretoria (see also General Regulation G.10.3 (b)).

Part III

MCH 800 Oral surgery 800

Part III comprises (i) an examination in Maxillo-facial and Oral Surgery; (ii) five written seminars on a specific topic in Maxillo-facial and Oral Surgery; and (iii) a mini-dissertation related to the topic mentioned in (ii) above.

(c) **Option 3: Main field of study: Maxillo-facial and Oral Radiology****(Field of study code: 11252005)**(i) **Admission requirements**

Subject to the stipulations of General Regulations G.9 and G.30, the BChD degree is required, as well as the Postgraduate Diploma in Dentistry [PGDipDent] in the main fields of study (RON) Röntgenology 700 or (CBR) Radiological and surgical principles 700.

(ii) **Duration**

As for Option 1.

(iii) **Curriculum****Attendance course:**

TNM 800 Applied research methodology 800

Basic subject:

MPG 806 Oral pathology 806

Major subject:

RON 801 Röntgenology 801

A dissertation (RON 890) related to the major subject.

- (d) **Examination and supplementary examination**
The stipulations of the General Regulations apply to all the abovementioned options.
- (e) **Degree with distinction**
Regarding Option 1: A student must obtain a minimum of 75% in both the examination and the dissertation.
Regarding Option 2: A student must obtain a minimum of 65% in Parts I and II, and a minimum of 75% in each of the subdivisions of Part III of the study programme.
Regarding Option 3: A student must obtain a minimum of 65% in the basic subject and at least 75% in the major subject of the study programme.

D.3 Master of Dentistry [MChD]

Also consult General Regulations G.30 to G.44.

- (a) The MChD degree is conferred in the following fields of study:
Maxillo-facial and Oral Surgery
Orthodontics
Oral Pathology
Periodontics and Oral Medicine
Prosthodontics
Community Dentistry
- (b) **Admission requirements**
- (i) Each candidate for admission to the study for the MChD degree programme must:
- (aa) either hold the BChD degree of the University of Pretoria or an equivalent qualification, or be admitted to master's degree studies in terms of the stipulations of General Regulations G.1.3 and G.62;
- (bb) be registered as a dentist with the Health Professions Council of South Africa.
- (ii) For the MChD degree (endorsement Maxillo-facial Surgery – Medical or Dental (Codes 11250091 and 11250011), a candidate
- (aa) is required, subject to the stipulations of General Regulations G.1.3 and G.62, to have obtained the BChD and/or MBChB degree or equivalent qualification at least one year previously, passed the Advanced Trauma Life Support Course (maximum three attempts), as well as the basic subjects Anatomy 870, Physiology 806 and Pharmacology 809 and preferably the PGDipDent (Oral Surgery), with a minimum pass mark of 65% in the major subject. Students who hold the Postgraduate Diploma in Dentistry [PGDipDent(Oral Surgery)] and/or the Master of Science Dentistry [MScDent] with Oral Surgery as the main field of study, may apply in writing for credit for the basic subject(s) (see also General Regulation G.10.3(b)).
- (bb) is required to be registered as a dentist and/or physician with the Health Professions Council of South Africa.
- (c) **Duration**
In order to qualify for the degree, a candidate must, for a period of four to eight years, depending on the specific requirements for a particular field of study, have

held a full-time training position/registrarship successfully, at a training institution approved by the University. In the case of Maxillo-facial and Oral Surgery, a candidate must hold a full-time registrarship for a minimum of four years (for a candidate with both a BChD degree and a MBChB degree), a minimum of seven years (for a candidate with a BChD degree), a minimum of six years (for a candidate with a MBChB degree), or a minimum of five years (for MChD (ChirMaxFac-Dent)).

(d) **CURRICULA**

(1.) **Maxillo-facial and Oral Surgery**

(1.1) **Maxillo-facial and Oral Surgery (endorsement ChirMaxFac-Med)**

Total number of credits: 1 680

(aa) **For students who hold both the BChD and the MBChB degrees (Code 11250091)**

Duration: Four years of full-time study.

First year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802
Basic subjects: (Prerequisites for first year of study include Anatomy, Physiology and Pharmacology.)

Attendance course: TNM 800 Applied research methodology 800
Subsidiary subjects: MPG 801 Applied oral pathology 801
 BVC 806 Principles of surgery 806

Second year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802
Examination subject: BVC 806 Principles of surgery 806

Third year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802

Fourth year of study

Examination subject: KGM 802 Maxillo-facial and oral surgery 802

(bb) **For students who hold the MBChB degree (Code 11250092)**

Duration: A minimum of six years of full-time study

First year of study

As in (aa) above, except for MPG 801 Applied oral pathology.

Second year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802
 The student must also register for the BChD degree and apply for registration as a student in Dentistry with the Health Professions Council of South Africa.

BChD III (Code 11130001)

As for BChD III with exemption from certain medical subjects.

Examination subject: BVC 806 Principles of surgery 806

Third year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802

BChD IV (Code 11130001)

As for BChD IV.

Fourth year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802

BChD V (Code 11130001)

As for BChD V.

Fifth year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802

Subsidiary subject: MPG 801 Applied oral pathology 801

Sixth year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802

Seventh year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802

(cc) **For students who hold the BChD degree (Code 11250093)**

Duration: A minimum of seven years of full-time study.

First year of study

As in (aa) above, except for BVC 806 Principles of surgery.

Second year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802

The student must also register for the MBChB degree and must apply for registration as a student in Medicine with the Health Professions Council of South Africa.

MBChB III (Code 10130001)

As for MBChB III.

Third year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802

MBChB IV (Code 10130001)

As for MBChB IV.

Fourth year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802

MBChB V (Code 10130001)

As for MBChB V.

Fifth year of study

Major subject: KGM 802 Maxillo-facial and oral surgery 802

MBChB VI (Code 10130001)

As for MBChB VI.

Sixth year of study

Major subject:	KGM 802	Maxillo-facial and oral surgery 802
Subsidiary subject:	BVC 806	Principles of surgery 806

Seventh year of study

Major subject:	KGM 802	Maxillo-facial and oral surgery 802
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Eighth year of study

Major subject:	KGM 802	Maxillo-facial and oral surgery 802
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Ninth year of study (first semester):

Examination subject:	KGM 802	Maxillo-facial and oral surgery 802
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(1.2) Maxillo-facial and Oral Surgery (endorsement ChirMaxFac-Dent) (Code 11250011)

Total number of credits: 1 680

Duration: Five years of full-time study.**First year of study**

As in 1.1 (aa) above.

Second year of study

Major subject:	KGM 802	Maxillo-facial and oral surgery 802
Examination subject:	BVC 807	Principles of surgery 807

Third and fourth years of study

Major subject:	KGM 802	Maxillo-facial and oral surgery 802
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Fifth year of study (Research)

Examination subject:	KGM 802	Maxillo-facial and oral surgery 802
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General information

1. The content of the basic subjects, subsidiary subjects and attendance courses will be determined by the particular head of department in consultation with the head of the department at Dentistry or Medicine.
2. General information concerning content and extent of the basic and subsidiary subjects is available at the department in question.
3. Students have to ensure that certificates of satisfactory preparation are acquired in all the attendance courses.

1. Maxillo-Facial and Oral Surgery**Major subject:**

Maxillo-facial and oral surgery: Experience is acquired through practical and clinical training and supplemented by seminars, discussions, papers and research. Diagnosis, planning, surgical and secondary treatment of diseases, injuries and defects of the human mouth, jaws, face and related structures.

Subsidiary (intermediary) subject:

Principles of surgery: Instruction mainly by the Departments of Surgery (and its divisions), Neurosurgery, Otorhinolaryngology, Ophthalmology and Family Medicine. This training takes place over nine months.

Instruction in the subsidiary subject:

Principles of surgery:

Endorsement ChirMaxFac-Med BVC 806

General Surgery (including Paediatric Surgery): 2 months

Intensive Care: 2 months

Neurosurgery: 2 months

Ophthalmology: 1 month

Otorhinolaryngology: 1 month

Plastic Surgery: 1 month

Applied Oral Pathology: 3 months

Endorsement ChirMaxFac-Dent BVC 807

Distress Unit (Family Medicine): 1 month

General Surgery (including Paediatric Surgery): 1 month

Intensive Care: 2 months

Neurosurgery: 2 months

Ophthalmology: 1 month

Plastic Surgery: 1 month

Applied Oral Pathology: 3 months

Applied Oral Pathology: Instruction by the Department of Oral Pathology and Oral Biology will be over a period equivalent to three months.

General information concerning the endorsements ChirMaxFac-Med and ChirMaxFac-Dent

1. When a BChD degree (University of Pretoria) has been obtained after October 2001, the candidate should preferably enrol for the MChD(ChirMaxFac-Med) programme.
2. Permission is granted to a student for (ChirMaxFac-Med) to register simultaneously for the postgraduate and undergraduate programmes as applicable. At the end of the programme the student will have complied with all the requirements for the BChD, MBChB and MChD degrees.
3. The content of the basic and subsidiary (intermediary) subjects and attendance courses will be determined by the particular head of department, in consultation with the Department of Maxillo-Facial and Oral Surgery.
4. Basic and subsidiary (intermediary) subjects: Acknowledgement of basic and/or subsidiary (intermediary) subjects may be granted if the particular subjects have already been passed at an approved institution such as the Colleges of South Africa (College of Maxillo-Facial and Oral Surgery) as recommended by the Head of department.
5. Pharmacology as a basic subject has to be passed as a prerequisite before the first year of study, should all other basic subjects be acknowledged by an approved institution.
6. Instruction in the major subject extends over a minimum period of three years, of which the first year mainly concentrates on minor oral surgery.
7. A student for the endorsement ChirMaxFac-Med can only fulfil his or her clinical obligations in Principles of Surgery after he or she has complied with the

- requirements for the MBChB degree, as well as having completed the Certificate for Advanced Trauma Life Support (ATLS) (before commencing the registrarship).
8. The instruction in the last two and a half years in the major subject takes place only after having successfully completed the subsidiary subjects.
 9. The first year of registrarship is acknowledged as an additional year of experience for Medicine and Dentistry if the training in Maxillo-Facial and Oral Surgery is discontinued. However, a student who discontinues one of the subjects must resign from the registrarship immediately.
 10. The basic subjects for Maxillo-facial and Oral Surgery (endorsements ChirMaxFac-Med and ChirMaxFac-Dent) are identical.
 11. The requirements for the major subject are: Submission of a mini-dissertation (endorsement ChirMaxFac-Med) and a dissertation (endorsement ChirMaxFac-Dent), a letter from an appropriate journal editor, acknowledging receipt of the draft publication, surgical catalogue (logbook) with minimum cases treated per surgical section, a prescribed summary of case reports, any publications, research abstracts, examination in a surgical procedure and examination in patient short cases conducted under examination conditions.
 12. A student may only proceed with the final FC MFOS (SA) examination after fulfilling the requirements for the MChD(ChirMaxFac-Med or -Dent) as stipulated in 11. above.
 13. The MChD(ChirMaxFac-Med or -Dent) may only be awarded after successfully passing the final examination for the FC MFOS (SA) or after passing written and oral examinations for the MChD(ChirMaxFac-Med or -Dent).
 14. Costs or fees for any examination(s) and registration at the Colleges of Medicine of South Africa have to be met by the student.

(2) Orthodontics (Code 11250021)

Total number of credits: 1 248

Major subject:	ORD 803	Orthodontics 803
Basic subjects:	ANA 871	Anatomy 871
	FSG 806	Physiology 806
Subsidiary subjects:	MPG 801	Oral pathology 801
Attendance courses:	RON 800	Röntgenology 800
	KGM 800	Maxillo-facial and oral surgery 800
	PRD 801	Prosthodontics 801
	SKT 800	Speech therapy 800
	MGN 802	Human genetics 802
	TNM 800	Applied research methodology 800
	PMG 801	Periodontics and oral medicine 801
	PDD 801	Pedodontics 801

Duration: Four years of full-time study.

(3) Oral Pathology (Code 11250031)

Total number of credits: 1 344

Major subject:	MPG 802	Oral pathology 802
Basic subjects:	ANP 808	Anatomical pathology 808
	MPX 800	Molecular pathology 800

Attendance course: TNM 800 Applied research methodology 800

Duration: Four years of full-time study.

(4) Periodontics and Oral Medicine (Code 11250041)

Total number of credits: 1 369

Major subject:	PMG 802	Periodontics and oral medicine 802
Basic subjects:	ANA 873	Anatomy 873
	FSG 806	Physiology 806
Subsidiary subjects:	APA 808	General pathology 808
	MDB 800	Oral biology 800
	MPG 803	Oral pathology 803
Attendance courses:	FAR 870	Pharmacology 870
	ORD 800	Orthodontics 800
	TNM 800	Applied research methodology 800
	PRD 802	Prosthodontics 802

Duration: Four years of full-time study.

(5) Prosthodontics (Code 11250081)

Total number of credits: 1 344

Major subject:	PRD 803	Prosthodontics 803
Basic subjects:	ANA 874	Anatomy 874
	FSG 806	Physiology 806
	MDB 800	Oral biology 800
Subsidiary subjects:	MPG 804	Oral pathology 804
	PMG 803	Periodontics and oral medicine 803
Attendance courses:	KGM 803	Maxillo-facial and oral surgery 803
	ORD 800	Orthodontics 800
	RAD 870	Radiology 870
	KMP 871	Communication pathology 871
	TNM 800	Applied research methodology 800

Duration: Four years of full-time study.

(6) Community Dentistry (Code 11250071)

Total number of credits: 1 056

Major subject:	GTH 800	Community dentistry 800
Basic subjects:	TMP 801	Applied oral pathology 801
	HME 870	Introduction to health measurement 870
	BOS 870	Biostatistics 870

Additionally, the Diploma in Health Systems Management must be attended and passed on a capita selecta basis, or any other management course as determined by the head of department and approved by the dean.

Practical training

Practical training is provided at recognised institutions

Duration: Four years of full-time study.

- (e) **Examinations** (also consult General Reg. G.40)
- (i) **Examinations in the basic and subsidiary subjects (with the exception of KGM 803):**
 - (aa) A student must pass these subjects prior to admission to the examination in the major subject. A minimum of at least 50% is required to pass.
 - (bb) Examinations in the basic and subsidiary subjects must be passed before the end of the third year of study, or at a time as determined by the head of department.
 - (ii) **Examinations in the major subject**
Admission to the examination in the major subject is determined by the head of department.
 - (iii) If a student fails one or more of the basic subjects, subsidiary subjects or the major subject, the head of department may recommend to the examination moderating meeting, that he or she be admitted to a supplementary examination. Supplementary examinations may only take place after a minimum period of six months has elapsed since the examination in which the student failed.
NB:
 - (aa) In view of the fact that a postgraduate student may repeat an examination in any subject only once, a student who fails a supplementary examination will have to discontinue the programme. In this event, a student who has been holding a registrarship, will have to vacate the position as soon as possible after one calendar month's notice to the University of Pretoria and/or other recognised training institution, where applicable.
 - (bb) If a student is admitted to a supplementary examination in the major subject, the head of department will determine whether he/she has to vacate the registrarship at the end of the training period, or immediately after the supplementary examination.
 - (iv) **Subminimum**
In order to pass in the major subject a student must obtain a subminimum of 50% in all the sections of the examination, with a final mark of at least 50%.
 - (v) The stipulations of General Regulation G.10.4 are applicable with regard to attendance courses.
Please note: The attendance courses in Prosthodontics consist of two parts, i.e. Prosthetics and Restorative dentistry.
 - (vi) In addition to the stipulations already mentioned, a dissertation on a topic related to the major subject must also be submitted. In order to pass in the final examination, a pass mark must also be obtained for the dissertation.
 - (vi) An MChD student, who has obtained at least 75% with the first attempt in both his major subject and the dissertation, will receive the degree with distinction.
1. **MChD degree (endorsement ChirMaxFac-Med and ChirMaxFac-Dent)**
- (i) **Examinations in the basic subjects**
A student must pass all the basic subjects (Anatomy [with Embryology],

Physiology and Pharmacology [University of Pretoria or College of Maxillo-Facial and Oral Surgery of the Colleges of Medicine of South Africa] before he or she may be admitted to the first year of study. A minimum pass mark of at least 50% is required in all examinations for the University of Pretoria and College of Maxillo-facial and Oral Surgery and a minimum pass mark of 65% from another tertiary institution (see also General Regulation G.10.3(b)).

(ii) **Examinations in the subsidiary (intermediary) subjects**

(The minimum pass mark is 50%.)

- (aa) For the endorsement Maxillo-Facial Surgery-Medicus, a student has to pass in Principles of surgery in the year of study as indicated, before he or she may continue with the programme.
- (bb) A student has to pass in Applied oral pathology at least two and a half years prior to the examination in his or her major subject.

These subsidiary subjects may be passed at the University of Pretoria or the College of Maxillo-Facial and Oral Surgery of the Colleges of Medicine of South Africa.

- (iii) If a student fails any of the subsidiary subjects Principles of surgery or Applied oral pathology, the head of department may recommend that he or she be admitted to a supplementary examination (re-examination).

(iv) **Examination and evaluation in the major subject**

- (aa) If a student fails his or her major subject, the Dean may, on the recommendation of the head of department, approve that he or she be admitted to a supplementary examination, but only after six months have elapsed since the original examination, in which he or she failed. No permission will be granted by the head of department for admission to the final examination of the College of Maxillo-Facial and Oral Surgery of the Colleges of Medicine of South Africa if all the requirements for the major subject for the MChD have not yet been fulfilled.
- (bb) In the light of the fact that a postgraduate student may repeat an examination in any subject only once, a student who fails a supplementary examination, will have to discontinue the programme.
- (cc) If a student has been admitted to a supplementary examination in the major subject, the head of department will determine whether he or she should vacate the registrarship at the end of the training period. The student has to vacate the registrarship immediately after the first supplementary examination has been completed.
- (dd) **Subminimum:** A student must obtain a subminimum of 60% in the clinical section (operation and short cases) of the examination, with a subminimum of 50% in all the other sections for the master's degree. He or she must also comply with the requirements regarding the number of operation procedures performed in each section, as required by the head of department. A final mark of at least 50% is required in order to pass in a subject.
- (ee) In addition to the stipulations already mentioned, the student must submit and pass a mini-dissertation (endorsement Maxillo-facial Surgery-Med) or a dissertation (endorsement Maxillo-facial Surgery-Dent), on an approved topic related to the major subject and submit a publication as required (see also General Regulation G.43). A complete record of operations (as a logbook) must also be submitted.

- (ff) **Pass with distinction:** A student who obtains at least 60% in the basic and the subsidiary subjects, and a final mark of at least 75% (with the first attempt) in the major subject, including the final examination of the College of Maxillo-Facial and Oral Surgery of the Colleges of Medicine of South Africa when applicable, qualifies to obtain the degree with distinction.
- (v) The master's degree can only be conferred after the National Equivalence Examination has been passed (as this master's degree and the Fellowship may be used as an interwoven final equivalence examination), or by passing the prescribed written and oral examinations of the MChD(ChirMaxFac-Med or Dent).
- (f) **Exemption**
Exemption by virtue of comparable training and/or experience in terms of the requirements of School Regulation D.3(c) and (d), may be granted by the Dean, on the recommendation of the Head of Department, with the proviso that exemption from the examination and evaluation in the major subject may not be granted.
- Please note:** The regulations of the Health Professions Council of South Africa, as published in the Government Gazette No. 4631 of 11 January 1991 – Notice No. R.40 (as amended), will be used as a criterion in determining the period of exemption.

III DOCTORATES

D.4 Doctor of Philosophy [PhD] (11261001)

Consult General Regulations G.45 to G.55.

- (a) **Admission requirement**
Subject to the stipulations of General Regulations G.1.3 and G.62, a candidate will only be admitted to doctoral study, if he or she holds a master's degree. If Maxillo-Facial and Oral Surgery is chosen as main field of study, a minimum pass mark of 65% in either MScDent, or MChD (Maxillo-facial and Oral Surgery), or an equivalent qualification will be required.
- (b) **Curriculum**
Total number of credits: 270
The degree PhD is conferred by virtue of a thesis, with the proviso that the Faculty Board, on the recommendation of the examination panel, may require an oral examination which deals with the topic of the thesis.
- The module codes to be used for the different academic departments are the following:
- | | |
|---------|--------------------------------------|
| GTH 990 | Community dentistry 990 |
| ODO 990 | Odontology 990 |
| KGM 990 | Maxillo-facial and oral surgery 990 |
| MPG 990 | Oral pathology and oral medicine 990 |
| PRD 990 | Prosthodontics 990 |
| ORD 990 | Orthodontics 990 |

TBW 990 Dental Management Sciences 990

Note: Module code TWH 990 Dental Sciences 990 is to be used for PhD projects that fall outside of the boundaries of departments.

**D.5 Doctor of Science [DSc]
(Code 10262000)**

The DSc degree is conferred on the basis of publications (consult General Regulation G.56).

- (i) The collective publications submitted must deal with a central theme.
- (ii) The candidate must already hold a PhD degree or an equivalent qualification.

IV DIPLOMAS

**D.6 University Diploma in Oral Hygiene [UnivDipOH]
(Code 11120012)**

Note: This diploma has been replaced by the Bachelor of Oral Hygiene degree. The second (final) year of study for the diploma was presented for the last time in 2011. As a transitional measure, students who still have modules of the final year outstanding, will have a final opportunity to complete the relevant modules in 2012. The regulations for the diploma as it appear in the 2010 Yearbook are applicable.

D.7 Postgraduate Diploma in Dentistry [PGDipDent]

(a) **Admission requirements**

Subject to the stipulations of General Regulations G.1.3 and G.62, the BChD degree or an equivalent qualification is required.

For the main field of study Oral Surgery, a candidate must be in possession of the BChD degree or an equivalent qualification with at least 65% in the final examination in Oro-facial surgery or a subject deemed equivalent by the head of department.

(b) **Duration**

At least two semesters with 120 contact hours. The contact time in the major field of study is determined by the head of the department concerned and approved by the dean. It includes systematic tuition as well as clinical/practical assignments.

(c) **Curriculum**

(i) **Main field of study – one of the following:**

	Code
MPG 700 Oral Pathology 700	11220003
END 700 Endodontics 700	11220004
ORD 700 Orthodontics 700	11220005
FOT 700 Forensic Odontology 700	11220006
PDD 700 Pedodontics 700	11220007
MCH 700 Oral Surgery 700	11220008
PDL 700 Periodontology 700	11220009
HTH 700 Restorative Dentistry 700	11220010
PTK 700 Prosthetics 700	11220012
MGK 700 Oral Medicine 700	11220013
MMB 700 Oral Microbiology 700	11220015

VTH 700	Preventive Dentistry 700	11220016
GTH 700	Community Dentistry 700	11220017
PRS 700	Practice Management 700	11220018
CBR 700	Radiological and Surgical Principles 700	11220019
THM 700	Dental Materials 700	11220021
ADX 700	Aesthetic Dentistry 700	11220022
PDI 700	Implantology 700	11220023
PRD 701	Prosthodontics 701	11220024

another module as determined by the head of the department concerned and approved by the Dean.

(ii) **Basic subject**

MDB 710	Applied oral biology 710
CBA 710	Anatomy and principles of surgery 710
ANA 770	Anatomy 770
FSG 706	Physiology 706
FAR 709	Pharmacology 709
THM 710	Dental materials 710
RAD 710	Introductory radiology 710
RIM 710	Introductory radiological imaging 710

Oral Surgery: a prerequisite (a minimum of one basic subject is required – these basic subjects may be passed at the University of Pretoria or at the College of Maxillo-Facial and Oral Surgery of the Colleges of Medicine of South Africa) or any other module as determined by the department in question and approved by the Dean.

(d) **Examinations**

The examination in the basic subject is held in May/June, and in the main field of study in October/November, except for the main field of study (MCH 700) Oral surgery 700, in which the examination in the basic subject and the main subject may take place every semester. However, only one subject may be written per semester. To be admitted to the examination, a year mark of at least 50% is required. A subminimum of 50% is required in the examination in respect of all subjects, with a final mark of at least 50% to pass.

(e) **Pass with distinction**

The diploma is awarded with distinction to students who obtain at least 75% in both the main field of study and the basic subject.

D.8 Advanced University Diploma in Oral Hygiene [AdvUnivDipOH] (Code 11120013)

(a) **Admission requirements**

Candidates must be in possession of a Diploma in Oral Hygiene or in Dental Therapy or an equivalent qualification, and must be registered with the Health Professions Council of South Africa as an oral hygienist or a dental therapist.

(b) **Duration**

At least two semesters. The programme is only offered part-time, with contact time as determined by the head(s) of department concerned.

(c) **Curriculum**

The programme is integrated with and planned around one or more of the dental

disciplines or any other topic as agreed on in consultation with the head(s) of department concerned and approved by the Dean.

(i) **Basic subject**

The basic subject is determined by the head of department and approved by the Dean.

(ii) **Major field of study – one of the following:**

- GTH 702 Community dentistry 702
- PRN 701 Periodontics 701
- ORD 701 Orthodontics 701
- KGM 701 Maxillo-facial and oral surgery 701
- PRD 701 Prosthodontics 701
- MPG 702 Oral pathology 702

or

any other module as determined by the head of department and approved by the Dean.

(d) **Examinations**

(i) A year mark of at least 50% is required to be admitted to the examination. A subminimum of 50% is required in the examination in all modules, with a final mark of at least 50% to pass. A student who fails one or more module, must repeat such modules and the examinations in the ensuing semester. In modules that were passed, only practical and clinical work will be required.

(ii) The requirements as set out in par. (d)(i) apply to a student who, after repeating a semester, again fails some of the modules.

(e) **Diploma with distinction**

The diploma is awarded with distinction to a student who obtains an average of at least 75% in both the main field of study and the basic subject.

SCHOOL OF HEALTHCARE SCIENCES

1. **Pass requirements**

In accordance with the stipulations of General Regulation G.10(2), no minimum year or semester mark is needed for admission to the examination, and all registered students are admitted to the examination automatically.

The **final mark** for a specific module in Nursing Science, Physiotherapy, Radiography, Occupational Therapy and Human Nutrition (at least 50% is required to pass) is calculated from the examination mark **as well as** the mark compiled from the evaluation of a student during continuous, objective and controlled assessment opportunities during the course of the quarter/semester/year. At least one formal assessment per module is set as the minimum norm, and students will be exposed on a continuous and regular basis to self-directed assignments in order to promote reflective learning.

In the case of **modules with practical components**, students are required to also comply with the applicable attendance requirements with regard to acquiring practical skills before a pass mark can be obtained for the module.

There are **two main examination opportunities** per annum, the **first** and **second examination**. In respect of first-semester modules, the first examination

opportunity is in May/June and the second examination opportunity in October/November. In respect of second-semester modules, the first examination opportunity is in October/November and the second examination opportunity in January of the subsequent year.

Only two examination opportunities per module are allowed. If a student fails a module at the second examination opportunity, the module must be repeated.

A second examination opportunity in a module is granted to students in the following cases:

- If a student obtains a final mark of less than 50% in the relevant module at the first examination opportunity and thus fails.
- If a student does not obtain the subminimum in the examination, as required for a specific module.
- If a student does not sit the examination in a module at the first examination opportunity due to illness or extraordinary circumstances.

Students intending to sit the second examination due to the reasons mentioned above, must register for the second examination opportunity within two weeks after the commencement of lectures in the next semester.

If a student fails a module at the first examination opportunity, the examination mark obtained in the relevant module at the second examination opportunity will be calculated as the final mark. The marks obtained with continuous evaluation during the course of the quarter/semester/year will not be taken into calculation. If the student passes the module at the second examination opportunity, a maximum of 50% is awarded as a pass mark to the module in question.

If a student could not sit the examination in a module at the first examination opportunity due to illness or extraordinary circumstances, the continuous evaluation mark, together with the examination mark obtained in the module in question at the second examination opportunity, will be calculated as the final mark obtained in the module.

The School of Healthcare Sciences applies Gen.Reg. G.12.6.1, according to which a student requiring a limited number of modules to complete his or her degree, may in terms of faculty regulations, be admitted to a special examination in the modules in question.

2. **Promotion to a subsequent year of study**

A student must pass in all the prescribed core modules of a specific year of study to be promoted to a subsequent year of study. A student can only be promoted to a subsequent year of study if the student has not failed more than two fundamental modules of seven weeks each per semester or one module of 14 weeks per semester.

Refer to the Yearbook for fundamental modules in each discipline.

A pass mark refers to a final mark of at least 50%.

Modules with practical and clinical training credits cannot be passed unless all the prescribed clinical hours and practical activities have been completed to the satisfaction of the head of department.

The Chairperson of the examination moderating meeting may, after assessing the

student's total profile, grant special approval to be promoted to the next year of study.

The exception is the Department of Human Nutrition, where the regulations as applicable in the Faculty of Natural and Agricultural Sciences regarding the modules presented by that Faculty, are relevant.

Modules can only be taken in advance or repeated if it can be accommodated in the existing examination timetable.

A student who must repeat a year of study may, with the approval of the Chairperson of the examination moderating meeting and the head of department concerned, be allowed to take fundamental modules of the subsequent year, if he/she complies with all the prerequisites for the relevant modules. No adjustment to existing timetables will be allowed. The following fundamental modules are relevant:

- **Department of Nursing Science:** GSO 180, 181, 182;
SLK 110, 120;
SOH 254;
FSG 251,252
- **Department of Physiotherapy:** GSO 180, 181, 182;
SOH 254
FSG 251, 252, 261, 262
- **Department of Occupational Therapy:** ZUL 110; SEP 110; SLK 210, 220,
FSG 251, 252, 261, 262;
ANP 210; RPD 481
- **Department of Human Nutrition:** FLG 211, 212, 221, 222;
BCM 253, 254, 255, 256,
BCM 263, 264, 265, 266,
FAR 381, 382, VDS 322
VDB 321
- **Department of Radiography:** FSG 251, 252, 262;
GNK 286; ANP 210.

A non-negotiable prerequisite for admission to the final year of study is pass marks in all the core and fundamental modules of the preceding years of study.

3. Examination and pass requirements common to the Anatomy and Physiology modules for BCur, BPhysT, BRad, BOccTher and BDietetics

3.1 Passing modules in Anatomy and Physiology

- (i) A **module mark** is calculated from the continuous evaluation opportunities during the course of the presentation of the relevant module. These evaluations will include one or more of the following:
 - (aa) Evaluations in connection with theoretical knowledge.
 - (bb) Evaluations in connection with practical knowledge and skills.
 - (cc) Compulsory attendance at and active participation in prescribed activities.
 - (dd) A final comprehensive module test.
- (ii) Students may exercise the option that the module mark at the **end of the semester** be ratified as the **final module mark** for the relevant module (i.e. they are exempted from the module examination for this module), if they comply with the following requirements:
 - (aa) The abovementioned module mark is more than 65%.

- (bb) Proven attendance of all applicable module-specific activities, namely:
 - All tests/continuous evaluations.
 - All practical work and skills development sessions.
 - (cc) Attendance of the relevant module from Day 1.
 - (dd) No convictions by the School's Preliminary Disciplinary Committee (Student Transgressions) of any form of transgression.
- (iii) A **module examination** is granted to all registered students (even if the module mark is more than 65%).
 - (iv) The **final module mark** is calculated from the examination mark and the module mark (continuous evaluation) in the ratio 50:50.
 - (v) A **second module examination** is granted to all students who have obtained a final module mark of 40% to 49%. Students who have obtained a module mark of less than 40%, fail the module and will have to repeat the year of study.
 - (vi) The relevant **second examination** will take place in November/December of the current year or in January of the subsequent year. A minimum of 50% is required to pass in the second examination.
 - (vii) **Aegrotats or extraordinary examinations**, for students who could not sit the module examination due to health or other acceptable reasons, will take place during the second examination period. Students must apply formally for these examinations, and will be admitted by the Chairperson of the School or his/her authorised person. Where applicable, the Chairperson of the School may first require the recommendation of the Faculty Health Committee before admission to an aegrotat.

All modalities of a final examination must be written jointly as an aegrotat or extraordinary examination, even if part of the relevant examination had already been written during the previous examination period.

The **final module mark** is calculated from the marks of all the sections/modalities of the aegrotat or extraordinary examination and the continuous evaluation mark. The same criteria as set for a pass mark in a module are applicable here. Students who could not sit the module examination in the examination period due to acceptable reasons, and who are consequently writing the module examination in the second examination period, forfeit the opportunity to be admitted to a further second examination.

4. **Exemption from the examination in (FAR) Pharmacology 381, 382**
Exemption from the examination can be granted if a student who obtained a module mark of at least 60%, exercises the option to accept it as the final mark.
5. **Exemption from the examination in (ANP) Anatomical Pathology 210**
Exemption from the examination may be granted if a student who obtained a module mark of at least 60%, exercises the option to accept it as the final mark.
6. **Academic exclusion from further study**
 - (a) In accordance with the stipulations of General Regulation G.3.2(b), a student must complete the degree programme for which he or she is registered within the prescribed minimum period of study plus two years.
 - (b) Subject to the stipulations mentioned in (a) above, a student in the School of Health Sciences, who fails a year of study for the second time, will only be

allowed one opportunity to repeat a year of study, and will have to submit a written application for readmission to the programme in accordance with the prescribed procedure.

UNDERGRADUATE AND POSTGRADUATE DEGREES IN THE SCHOOL OF HEALTHCARE SCIENCES

I. DEGREES IN NURSING SCIENCE

H.1 Bachelor of Nursing Science [BCur] (Code 10131011)

Note: Also consult the General Regulations.

(a) **General information**

- (i) The Bachelor of Nursing Science [BCur] degree is a four-year, professional, career-oriented whole qualification that allows graduates to register with the South African Nursing Council (SANC) as:
 - Nurse (General, Psychiatric and Community); and
 - Midwife/Accoucheur
- (ii) Successful completion of the degree programme will present graduates with the opportunity to further their studies in Nursing Science at postgraduate level.
- (iii) Candidates who comply with the necessary admission requirements will follow the prescribed curriculum, as set out in paragraph (e) below.
- (iv) The compulsory **practical and clinical hours of training** amount to a grand total of at least 3 250 hours over a four-year period.

(b) **Admission requirements**

- (i) A special selection procedure applies. A limited number of places are available annually. Application forms must be submitted before 30 June to be considered for the selection for the subsequent academic year.
- (ii) The admission requirements are:
 - (aa) National Senior Certificate with admission for degree purposes.
 - (bb) English, additional language and four other subjects passed with a rating code of 4 (50-59%).
 - (cc) Life Orientation passed with a rating code of 4 (50-59%) – excluded from APS calculation.
 - (dd) The following subjects are **recommended**: Life Sciences, Mathematics and Physical Science.
 - (ee) An APS of at least 25 at the end of grade 11 and at least 22 at the end of Grade 12.
 - (ff) Proof of registration as a student nurse with the South African Nursing Council (SANC).

(c) **Practical and clinical training**

- (i) The curriculum includes compulsory practical and clinical training modules, comprising a percentage of the total credits required for the successful completion of the programme.
- (ii) Students will be registered as student nurses at an approved teaching hospital (or hospitals) for the duration of their studies.
- (iii) Students will be required to visit clinics outside of the hospital as well as institutions where health services are provided.

- (iv) Clinical training will take place for the duration of studies at the facilities mentioned above.
- (v) Students will be required to sign a contract of service with the approved teaching hospital (or hospitals) in question – information will be made available after successful application for admission.
- (d) **Duration**
- (i) The programme extends over a period of four years of full-time study in preparation of registration with the South African Nursing Council (SANC) as a Nurse (General, Psychiatric and Community) and Midwife/Accoucheur.
- (ii) Due to the compulsory practical and clinical training component as well as professional development, the curriculum cannot be completed in less than four years.
- (iii) The training institutions in question will grant vacation and sick leave according to the applicable requirements of the South African Nursing Council (SANC).
- (e) **Curriculum**
- (i) A grand total of **919** credits for the coursework is required for degree purposes.
- (ii) Credit values of the different modules of the subjects of the first, second, third and fourth years of study appear in brackets after the module codes in the table below:

Curriculum	Year 1	Year 2	Year 3	Year 4
Modules	Module code	Module code	Module code	Module code
Fundamental modules				
Anatomy	ANA 151, 152, 161,162 (24)			
Medical terminology	MTL 180 (4)			
Philosophy	FIL 110 (12) *May be done during the 3rd year of study			
Academic literacy	EOT 110, 120 (12)			
Academic information management	AIM 101 (6)			
African language: Sepedi/isiZulu	SEP 110 or ZUL 110 (6)			
Microbiology		GMB 252, 253, 254 (18)		
Pharmacology			FAR 381(20), 382 (15)	
Physiology	FSG 161, 162 (12)	FSG 251, 252 (12)		
Psychology		SLK 110, 120 (24)		

Community development		GSO 180, 181 182, (18)		
Systems of healthcare		SOH 254 (10)		
Core modules				
Nursing studies	NUR 151,152, 153, 154 (48)	NUR 251, 252, 253, 254, 255 (58)	NUR 351, 352, 353, 354 (72)	NUR 451, 452 (36)
Dynamics of nursing practice	DNP 151,152, 153, 154 (52)	DNP 251, 252, 253, 254 (36)	DNP 351, 352, 353, 354 (60) *DNP 354 to be completed prior to *DNP 353	DNP 451, 452 (20)
Nursing practice education	NPE 161,162 (48)	NPE 261, 262 (48)	NPE 361, 362 (60)	NPE 461, 462 (100)
Research in healthcare sciences				RHC 480 (16)
Elective module				
Nursing studies				NUR 456 (40)

- (f) **Exemption from the examination in (FAR) Pharmacology 381, 382**
Consult the stipulations under the School of Healthcare Sciences in this publication.
- (g) **Promotion to a subsequent year of study:**
- (i) Consult the general requirements for promotion to a subsequent year of study of the School of Healthcare Sciences in this publication.
 - (ii) Consult also the general pass requirements of the School of Healthcare Sciences for the calculation of the final mark in a module, the continuous assessment mark, etc. in this publication.
 - (iii) Concerning a pass in modules with practical and/or clinical training credits, the general requirements of the School of Healthcare Sciences must be consulted in this regard.
 - (iv) Students who fail to comply with all the requirements for a specific year of study, and who have not obtained the required number of credits, will not be allowed to register for any modules of the subsequent year of study, with the exception of certain fundamental modules, which may be taken in advance – consult the School's policy in this regard.
 - (v) Students in the abovementioned category must repeat the outstanding module(s) in question to acquire all the required credits for the relevant year of study and to be promoted to the following year of study.
 - (vi) Students who have to repeat specific modules, must also acquire a certificate of satisfactory attendance and progress in Nursing Practice Education (both modules of the year in question) in the year of repetition, even if the modules in question have already been passed in the unsuccessful year.
 - (vii) Examinations are compulsory in respect of all the modules presented by the

Department of Nursing Science, as it is not possible to be promoted in any of these modules.

- (viii) Each division of (NPE 461) Nursing practice education 461 must be passed individually with a subminimum of 50%.
- (h) **Second examination opportunity**
Consult the requirements for a second examination opportunity in the School of Healthcare Sciences as set out in this publication.
- (i) **Practical work**
Certain hospitals and healthcare facilities have been approved for the purposes of practical and clinical training in Fundamental Nursing Science, General Nursing Science, Psychiatric Nursing Science, Community Nursing Science and Midwifery.
- (j) **Conferment of the degree**
The Bachelor of Nursing Science [BCur] is conferred on students who have fulfilled all the programme requirements as well as the prescribed practical and clinical training successfully.
Successful completion of the degree entitles the graduate to register with the South African Nursing Council as Nurse (General, Psychiatric and Community) and as Midwife/Accoucheur.
- (k) **Degree with distinction**
The BCur degree is conferred with distinction on a student who has obtained:
(i) At least 75% in each of NPE 461, NPE 462 and NUR 456.
(ii) A joint average of at least 75% in NUR 451 and NUR 452.
(iii) A joint average of at least 75% in DNP 451 and DNP 452.

H.2 Bachelor of Nursing Science (Education and Administration) [BCur(I et A)] (Code 10131081)
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Note:

Also consult the General Regulations.

- (a) **General information**
- (i) The Bachelor of Nursing Science (Education and Administration) [BCur(I et A)] provides professional nurses registered with the South African Nursing Council (SANC), with the opportunity of obtaining post-basic, professional qualifications in any of the following areas of specialisation (major speciality):
- (aa) Nursing Management
 - (bb) Nursing Education
 - (cc) Community Nursing Science
 - (dd) Clinical Nursing Science, with a selected subspeciality in the second year of study, namely:
 - Advanced Midwifery and Neonatal Nursing Science
 - Neonatal Nursing Science
 - Child Nursing Science
 - Medical and Surgical Nursing Science: Critical Care Nursing: General
 - Medical and Surgical Nursing Science: Critical Care Nursing: Paediatric
 - Medical and Surgical Nursing Science: Critical Care Nursing: Trauma and Emergency Nursing

- Medical and Surgical Nursing Science: Operating Theatre Nursing
 - Clinical Nursing Science, Health Assessment, Treatment and Care.
- (ii) Successful completion of the degree programme will also provide graduates with the opportunity to further their studies, in their chosen fields of specialisation at postgraduate level, provided there are sufficient applications.
- (iii) Candidates who comply with the admission requirements must compile a suitable curriculum in the selected area of specialisation, in consultation with the head of department.
- (iv) The curriculum mentioned in (iii) above, must be reviewed on an annual basis in consultation with the head of department.
- (b) **Requirements for admission**
- (i) A selection process applies, based on academic merit, experience in the workplace, compliance with the relevant admission requirements and the approval of the employer.
- (ii) A National Senior Certificate with admission for degree purposes or a certificate of conditional exemption by virtue of mature age (prior to 2009).
- (iii) Minimum requirements in respect of Grade 12 subjects are applicable in the case of conditional exemption (full details are available on request from Student Administration.)
- (iv) Proof of registration with the South African Nursing Council as a General Nurse.
- (v) Candidates who intend following Community Nursing Science must also be registered with the South African Nursing Council as Midwife/Accoucheur.
- (vi) At least two years of appropriate experience in the workplace as registered nurse (excluding other nursing-related coursework) for Nursing Management and Nursing Education.
- (vii) Candidates who intend following Clinical Nursing Science must also comply with the additional requirements for admission listed in paragraph (c) below.
- (c) **Additional admission requirements for Clinical Nursing Science**
- (i) At least one year of appropriate experience in the workplace, relevant to the area of specialisation and approved by the head of department; excluding other nursing-related coursework.
- (ii) Students must have access, at least on a part-time basis, to clinical training facilities which are suitable for the proposed area of specialisation and approved by the head of department.
- (iii) With the exception of the subspecialties Critical Care Nursing – General; Trauma and Emergency Nursing and Operating Theatre Nursing, students must also be registered with the South African Nursing Council as Midwife/Accoucheur.
- (d) **Duration**
For degree purposes, the programme extends over a period of at least three academic years.
- (e) **Grand total of credits required**
A minimum of **360** credits is required, subject to:
- (i) The successful completion, at 100, 200 and 300 level, of two approved major subjects (core modules) within a given area of specialisation.

- (ii) Successful completion of all prescribed fundamental modules.
- (iii) Satisfactory performance and successful completion of the required practical work and/or clinical training specified for the field of specialisation in question.
- (iv) Successful completion of an approved curriculum (degree programme) compiled of modules equivalent to ten year modules .

(f) **Curriculum**

Curriculum	Year 1 (100 level)	Year 2 (200 level)	Year 3 (300 level)
Modules	Module code	Module code	Module code
Fundamental modules (Generic to the degree programme, any area of specialisation):			
Nursing dynamics (equivalent to a year module)	VDN 110, 120	-	-
Nursing research methodology (equivalent to a year module)	-	-	VNM 100
Core modules (For the major areas of specialisation):			
<u>Nursing Management</u> (with Industrial and organisational psychology as second major subject)			
Nursing management (equivalent to 3 year modules)	VPB 110, 120, 160	VPB 250, 260	VPB 300
Nursing education theory (equivalent to a year module)	VOW 110, 120	-	-
Community nursing science (equivalent to a year module) or	GVP 110, 120, 160	-	-
Didactics of nursing education (equivalent to a year module)	DNE 110, 120, 160	-	-
Industrial and organisational psychology(equivalent to 3 year modules)	BDO 110, 120	BDO 219, 229	BDO 319, 329
<u>Nursing Management</u> (with Community nursing science as second major subject)			
Nursing management (equivalent to 3 year modules)	VPB 110, 120, 160	VPB 250, 260	VPB 300
Community nursing science (equivalent to 3 year modules)	GVP 110, 120, 160	GVP 250, 260	GVP 300

Nursing education theory (equivalent to a year module)	VOW 110, 120	-	-
Industrial and organisational psychology (equivalent to a year module)	BDO 110, 120	-	-
<u>Nursing Education</u> (with Nursing management as second major subject)			
Nursing education theory (equivalent to 3 year modules)	VOW 110, 120	VOW 250, 260	VOW 300
Didactics of nursing education (equivalent to a year module)	DNE 110, 120, 160	-	-
Nursing management (equivalent to 3 year modules)	VPB 110, 120, 160	VPB 250, 260	VPB 300
Industrial and organisational psychology (equivalent to a year module)	BDO 110, 120	-	-
<u>Community Nursing Science</u> (with Nursing education as second major subject)			
Community nursing science (equivalent to 3 year modules)	GVP 110, 120, 160	GVP 250, 260	GVP 300
Nursing education theory (equivalent to 3 year modules)	VOW 110, 120	VOW 250, 260	VOW 300
Didactics of nursing education (equivalent to a year module)	DNE 110, 120, 160	-	-
Nursing management (equivalent to a year module)	VPB 110, 120, 160	-	-
<u>Clinical Nursing Science</u> (All subspecialties)			
Clinical nursing science (equivalent to 3 year modules)	KVG 110, 120	KVG 250, 260	KVG 300
Systems of nursing practice (equivalent to 3 year modules)	VPT 160	VPT 260	VPT 360
Choose between: Nursing management (equivalent to a year module)	VPB 110, 120, 160	-	-
or Nursing education theory (equivalent to a year module)	VOW 110, 120	-	-

Nursing science practical work (equivalent to a year module)	-	VGK 201	-
Elective modules (equivalent to 2 year modules, comprising KVG 250, 260 and VPT 260)		<p><u>Clinical Nursing Science</u></p> <p><u>Subspecialities at 200 level:</u> Choose one of the following:</p> <p>Advanced midwifery and neonatal nursing science</p> <p>Neonatal nursing science</p> <p>Child nursing science</p> <p>Critical care nursing science – General</p> <p>Critical care nursing – Paediatric</p> <p>Critical care nursing – Trauma and emergency nursing</p> <p>Operating theatre nursing</p> <p>Clinical nursing science, health assessment, treatment and care</p>	

- (g) **Transitional measures**
Students will be exempted from corresponding modules passed in the preceding seven (7) years.
- (h) **Promotion to a subsequent year of study**
- (i) Consult the general requirements for promotion to a subsequent year of study in the School of Healthcare Sciences as set out in this publication.
 - (ii) KVG and VPT at 100 level are also prerequisites for VGK 201.
 - (iii) Consult the general pass requirements regarding the passing of modules with practical and/or clinical training credits in the School of Healthcare Sciences as set out in this publication.

- (iv) A student who has failed modules presented in the first semester by the Department of Nursing Science, will be allowed to repeat the examination in question at the end of the second semester.
- (v) Consult the general pass requirements of the School of Healthcare Sciences for the calculation of the final mark in a module, the continuous evaluation mark, etc. in this publication.
- (vi) **Note:**
 - In the following 100-level modules, only satisfactory progress and attendance are required: VPB 160, DNE 160 and GVP 160.
 - For specific prerequisites for BDO modules at 200 and 300 level: Consult the Yearbook of the Faculty of Economic and Management Sciences.
- (i) **Second examination opportunity**

Consult the requirements for a second examination opportunity under the general pass requirements of the School of Healthcare Sciences in this publication.
- (j) **Practical work**

Certain hospitals and healthcare facilities have been approved for the purposes of practical and/or clinical training. Students will be required to complete their practical work and/or clinical training at these facilities.
- (k) **Faculty certificates**
 - (i) Students who exit from the programme before completing the degree, and who fulfil all the requirements for registration of an additional qualification with the SANC, will be issued with an applicable Faculty Certificate.
 - (ii) Listing or registration with the SANC can be obtained in the following areas of specialisation, depending on the specific modules passed:
 - (aa) **Listing:**
 - Handling of Medicine in Nursing and the Physical Evaluation of Patients
 - (bb) **Registration:**
 - Nursing Administration
 - Nursing Education
 - Community Nursing Science
 - Advanced Midwifery and Neonatal Nursing Science
 - Neonatal Nursing Science
 - Child Nursing Science
 - Medical and Surgical Nursing Science: Critical Care Nursing - General
 - Medical and Surgical Nursing Science: Critical Care Nursing - Paediatric
 - Medical and Surgical Nursing Science: Critical Care Nursing - Trauma and Emergency Nursing
 - Medical and Surgical Nursing Science: Operating Theatre Nursing
 - Clinical Nursing Science, Health Assessment, Treatment and Care
- (l) **Conferment of the degree**

The Bachelor of Nursing Science (Education and Administration) [BCur(I et A)] is conferred on students who comply with all the requirements for the degree programme and who have completed all required practical and/or clinical training.

- (m) **Degree with distinction and applicable endorsement of the degree certificate**
- (i) The degree is conferred with distinction on a student who has obtained an average of at least 75% in the required 300-level modules.
 - (ii) The degree certificate will be endorsed with the specific area of specialisation (and the relevant subspeciality, in the case of Clinical Nursing).

H.3 Bachelor of Nursing Science Honours [BCurHons]

Suspended until further notice.

H.4 Master of Nursing Science [MCur]

Also consult the General Regulations.

- (a) **Fields of study**
- The Master of Nursing Science [MCur] degree is conferred in the following fields of study:
- (i) Clinical fields of study: (Code 10251151)
Coursework: (Code 10251152)
 - (ii) Nursing Management: (Code 10251111)
Coursework: (Code 10251112)
 - (iii) Nursing Education: (Code 10251051)
Coursework: (Code 10251052)

- (b) **Requirements for admission**

Option 1

MCur with coursework

- (i) Subject to the stipulations of General Regulation G.62, the Bachelor of Nursing Science degree is required for admission. In the case of the non-clinical fields, another approved bachelor's degree may also be considered.
- (ii) Successful completion of an entrance examination, according to the discretion of the head of department.
- (iii) Additional admission requirements as listed below are required for each of the following fields of specialisation:

Clinical fields of specialisation:

- (aa) A minimum of one year experience as registered nurse in the workplace, which is deemed appropriate by the head of department for the proposed field of study, other nursing science-related modules excluded.
- (bb) Students must, at least on a part-time basis, have access to clinical learning facilities suitable for the chosen field of specialisation, and approved by the head of department for the field of study in question.
- (cc) Registration with the South African Nursing Council (SANC) is required as follows:
 - For **Advanced Medical and Surgical Nursing Science (Critical Care Nursing: General)**, as general nurse.
 - For **Advanced Medical and Surgical Nursing Science (Critical Care: Trauma and Emergency Nursing)**, as general nurse.

- For **Advanced Midwifery and Neonatal Nursing Science**, as general nurse and midwife/accoucheur.
- For **Advanced Psychiatric Nursing Science**, as general nurse and psychiatric nurse.
- For **Advanced Community Nursing Science**, as general nurse, midwife/accoucheur and community nurse.
- For **Advanced Paediatric Nursing Science**, as general nurse and midwife/accoucheur.
- For **Advanced Neonatal Nursing Science**, as general nurse and midwife/accoucheur.
- For **Advanced Women's Health**, as general nurse, midwife/accoucheur and community nurse.
- For **Primary Curative Care**, as general nurse, midwife/accoucheur and community nurse, as well as listing with the SANC, in the Handling of Medicine in Nursing and the Physical Evaluation of Patients.

Non-clinical fields:

Registration with the South African Nursing Council (SANC) is required as follows:

- For **Nursing Management**, as general nurse and in Nursing Administration (Nursing Management).
- For **Nursing Education**, as general nurse and lecturer.

Option 2

MCur by virtue of a dissertation

Subject to the stipulations of General Regulations G.30 and G.62, at least a Bachelor of Nursing Science degree **and** according to the discretion of the head of department, an applicable post-basic qualification. The master's degree may only be awarded in the field of study of the prerequisite degree or equivalent qualification.

(c) **Duration of the programme and the grand total of credits required**

Option 1: MCur with coursework

- (i) At least two academic years. Not all the different fields of study are presented every year. Commencement of studies must therefore be discussed beforehand with the head of department.
- (ii) Total number of credits: **320-390** in a chosen field of study: provided that the prescribed curriculum is followed.

Option 2: MCur by virtue of a dissertation

- (i) At least one academic year.
- (ii) Total number of credits: **320**, of which 280 credits are allocated to the dissertation and 40 credits to (VNM 800) Nursing research methodology 800.

(d) **Curricula**

Option 1: MCur with coursework

- (i) The curriculum comprises the chosen field of specialisation in Advanced Nursing Science or Advanced Women's Health or Primary Curative Nursing Science or Nursing Management or Nursing Education, Advanced Dynamics of Nursing Practice (DNP 800), Nursing research methodology 800 (VNM

- 800) and an essay (VGK 891). Consult par (iii) below regarding VNM 800 and VGK 891.
- (ii) (VNM 800) Nursing research methodology 800 will exempt students who choose this option, from (TNM 800) Applied research methodology 800.
- (iii) (VNM 800) Nursing research methodology 800 is a prerequisite for the successful completion of (VGK 891) Essay 891.
- (iv) The modules prescribed for the fields of specialisation appear in the table below:

Modules in the field of specialisation	Advanced dynamics of nursing practice	Nursing research methodology	Essay
Clinical fields:			
Advanced Medical and Surgical Nursing Science (Critical Care Nursing: General) (390 credits)			
<u>Year 1</u> AMS 860, 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> AMS 870, 871, 872			
Advanced Medical and Surgical Nursing Science (Critical Care: Trauma and Emergency Nursing) (390 credits)			
<u>Year 1</u> ATN 860, 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> ATN 870,871, 872			
Advanced Midwifery and Neonatal Nursing Science (390 credits)			
<u>Year 1</u> AMN 860, 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> AMN 870, 871, 872			
Advanced Psychiatric Nursing Science (390 credits)			
<u>Year 1</u> APN 860, 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> APN 870, 871, 872			
Advanced Community Nursing Science (320 credits)			
<u>Year 1</u> ACN 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> ACN 871, 872			
Advanced Child Nursing Science (390 credits)			
<u>Year 1</u> ACC 860, 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> ACC 870, 871, 872			
Advanced Neonatal Nursing Science (390 credits)			
<u>Year 1</u> ANN 860, 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> ANN 870, 871, 872			

Advanced Women's Health (320 credits)			
<u>Year 1</u> AVN 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> AVN 871, 872			
Primary Curative Care (390 credits)			
<u>Year 1</u> APC 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> APC 871, 872			
Non-clinical Fields:			
Nursing Management (320 credits)			
<u>Year 1</u> ANX 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> ANX 871, 872			
Nursing Education (320 credits)			
<u>Year 1</u> ANZ 861, 862	<u>Year 1</u> DNP 800	<u>Year 1</u> VNM 800	<u>Year 2</u> VGK 891
<u>Year 2</u> ANZ 871, 872			

Option 2: MCur by virtue of a dissertation

- (i) The degree is conferred on a student who has successfully completed (VNM 800) Nursing research methodology 800 and a dissertation (VGK 890).
- (ii) VNM 800 is a prerequisite for the successful completion of the dissertation (VGK 890).

(e) Pass and pass with distinction**Option 1: MCur with coursework**

- (i) A final mark of at least 50% must be obtained in each of the prescribed modules in order to pass.
- (ii) Modules with a practical and/or clinical training component can only be passed if the student has also completed all prescribed practical and/or clinical work to the satisfaction of the head of department.
- (iii) The degree is conferred on a student who has complied with all the degree requirements.
- (iv) **Degree with distinction:** The degree is conferred with distinction on a student who has maintained an average of at least 75% for the duration of his/her studies, with the exception of Nursing research methodology (VNM 800) and Advanced dynamics of nursing practice (DNP 800).
- (v) Students who complete the degree in a clinical field of specialisation, will receive their degree certificates endorsed with the subspeciality in question.

Option 2: MCur by virtue of a dissertation

- (i) A final mark of at least 50% is required in both VNM 800 and the dissertation in order to comply with all the requirements for the degree.
- (ii) **Degree with distinction:** The degree is conferred with distinction on a student who has obtained at least 75% for the dissertation.

H.5 Doctor of Philosophy [PhD] (Code 10260311)

Field of study: Nursing Science

Also consult the General Regulations

Note: All PhD students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily. (Exemption will be granted if (VNM 800) Nursing research methodology 800 has already been passed for the MCur degree.)

- (a) Subject to the stipulations of General Regulations G.45 and G.62, a student will only be admitted to doctoral degree studies if he or she is in possession of a master's degree.
- (b) The PhD degree study in the field of Nursing Science is conferred by virtue of a thesis and, if the Dean decides otherwise, an examination (VGK 900) which deals with the field of study of the thesis.
- (c) The thesis (VGK 990) deals with a problem from one or other field of Nursing Science, it must give an overview of the literature on the topic, and a description of the observations made and experiments done by the student, as well as a discussion of the conclusions reached. It must furthermore convince the promoter and examiners that it represents original research.
- (d) A complete research protocol in respect of the proposed thesis must be submitted to an evaluation committee at the commencement of the doctoral studies, and if necessary, also to the Ethics Committee for approval.
- (e) The evaluation committee is constituted by the head of department, in conjunction with the Chairperson of the School, and will consist of experienced persons in research in the proposed field of study of the candidate.
- (f) At least two committee members will be appointed from other national and/or international tertiary institutions. Due to financial constraints, technological aids will be used in the case of committee members from foreign universities who will therefore not be able to attend the meeting. The report of the evaluation committee will be made available to the candidate in writing.

H.6 Doctor of Nursing Science [DCur] (10261001)
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Also consult General Regulation G.56.

The DCur degree is conferred by virtue of the publications of a candidate who enjoys international recognition on the grounds of his or her outstanding and extensive research.

II. DEGREES IN RADIOGRAPHY

H.7 Bachelor of Radiography [BRad]

Also consult General Regulations.

Specialisation

- (i) Diagnostics (10137002)

(a) **Requirements for admission**

A National Senior Certificate with admission for degree purposes.

Note:

1. Grade 12 Mathematics and Physical Science passed with a minimum of 50% is a requirement.
2. Candidates must apply formally for admission to the first year of study, as all candidates are subjected to a selection procedure (consult General Academic Information in this publication).
3. Each student in Radiography must apply to the Registrar of the Health Professions Council of South Africa for registration as a student in Radiography immediately after admission to the first year of study.

(b) **Nature and duration**

The programme extends over three years' full-time study, during which period a student radiographer will be attached to an institution approved by the Department of Radiography. Students must comply with the stipulations of the Health Professions Council of South Africa concerning the required number of practical hours and as determined by the Department of Radiography.

(c) **Curriculum**

(Total number of credits: 382)

(i) **First year of study**

The credit value per module is indicated in brackets after each module code in the table below:

Module	Module code
Fundamental modules	
Academic information management 101	AIM 101 (6)
Academic literacy 110,	EOT 110 (6)
120	EOT 120 (6)
Radiographic anatomy 100	RAN 100 (20)
Radiation physics 110	RFI 110 (10)
Physiology 161,	FSG 161 (6)
162	FSG 162 (6)
Medical terminology 180	MTL 180 (12)
African language: Sepedi 110/ isiZulu 110	SEP 110 or ZUL 110 (6)
Core modules	
Radiographic imaging 182	RAW 182 (20)
Radiography 180	RAW 180 (50)
Elective modules	
None	

(ii) **Second year of study**

The credit value per module is indicated in brackets after each module code in the table below.

Module	Module code
Fundamental modules	
Radiographic anatomy 280	RAN 280 (10)
Radiation physics 210	RFI 210 (10)
Radiation physics 211	RFI 211 (10)

Physiology 251 Physiology 252 Physiology 262 Basic emergency care 286	FSG 251 (6) FSG 252 (6) FSG 262 (6) GNK 286 (2)
Core modules	
Diagnostics	
Radiographic imaging 282	RAW 282 (20)
Radiography 280	RAW 280 (54)
Radiation therapy and nuclear medicine 284	RAW 284 (10)
Elective modules	
None	

(iii) **Third year of study**

The credit value per module is indicated in brackets after each module code in the table below.

Module	Module code
Fundamental modules	
Radiographic anatomy 380	RAN 380 (10)
Radiation physics 310	RFI 310 (10)
Research in healthcare sciences 480	RHC 480 (16)
Anatomical pathology 210	ANP 210 (10)
Core modules	
Diagnostics	
Radiography 380	RAW 380 (52)
Radiography practice 382	RAW 382 (30)
Elective modules	
None	

(d) **Promotion to a subsequent year of study**

Consult the general requirements for promotion to a subsequent year of study under the School of Healthcare Sciences, in this publication.

(e) **Pass requirements**

(i) **Subminimum:** A subminimum of 40% is required in the written as well as the practical/clinical sections of the examination in Radiographic Sciences at 100, 200 and 300 level.

(ii) Consult the general pass requirements of the School of Healthcare Sciences, for the calculation of the final mark in a module, the continuous assessment mark, obtaining a pass mark in modules with practical and/or clinical components, etc.

(f) **Second examination opportunities**

Second examinations are granted according to the stipulations of the general pass requirements of the School of Healthcare Sciences.

(g) **Degree with distinction**

The degree is conferred with distinction on a student who has obtained an average of at least 75% in the final-year modules.

H.8 Bachelor of Radiography Honours [BRadHons]

Also consult Gen. Reg. G.18.

Note:

All students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily.
(NVB 700) Research principles 700 will exempt students from (TNM 800) Applied research methodology.

(a) Requirements for admission

- (i) Subject to the stipulations of General Reg. G.62, a candidate must hold the BRad degree, or an equivalent qualification in the relevant field of specialisation for admission to honours degree study, and must be registered as a radiographer with the Health Professions Council of South Africa.
- (ii) A student must be appointed in a full-time position at an institution approved by the Department for this purpose.

(b) Fields of specialisation and duration

- Diagnostics: One academic year full-time or two years part-time
- Radiation Therapy: One academic year full-time or two years part-time
- Nuclear Medicine: One academic year full-time or two years part-time

(c) Curriculum**(i) Diagnostics (Code 10247062)**

(The credit value of each module appears in brackets in the table below.)

Module	Module code
Fundamental modules	
Applied research methodology 800	TNM 800 (5)
Research principles 700	NVB 700 (20)
Radiographic anatomy 700	RAN 700 (20)
Anatomical pathology 703	ANP 703 (5)
Core module	
Compulsory core module	
Essay 700	RSK 700 (30)
Choose (in consultation with the Department) a total of 90 credits from the following core modules:	
Quality assurance 780	RAW 780 (30)
Image interpretation 781	RAW 781 (30)
Computer tomography 782	RAW 782 (30)
Magnetic resonance 783	RAW 783 (30)
Intervention 784	RAW 784 (30)
Mammography and bone density 785	RAW 785 (30)
Ultrasound (Module I) 786	RAW 786 (30)
*Ultrasound (Module II) 787	RAW 787 (30)
*Ultrasound (Module III) 788	RAW 788 (30)

*Ultrasound (Module I) 786 is a prerequisite.

A student must obtain at least **160** credits to comply with degree requirements.

Note:

- (aa) Students who specialised at undergraduate level (i.e. from the second year of study) in Radiation Therapy or in Nuclear Medicine, register according to the curriculum as set out in (ii) and (iii) below.

(ii) **Radiation Therapy (Code 10247061)**

(The credit value of each module appears in brackets in the table below.)

Module	Module code
Fundamental modules Applied research methodology 800 Research principles 700	TNM 800 (5) NVB 700 (20)
Core modules Radiation therapy 700 Dosage planning 700 Oncological behavioural science 700 Essay 700	RSZ 700 (50) DSB 700 (30) OKG 700 (30) RSK 700 (30)

(iii) **Nuclear Medicine (Code 10247071)**

(The credit value of each module appears in brackets in the table below.)

Module	Module code
Fundamental modules Applied research methodology 800 Research principles 700	TNM 800 (5) NVB 700 (20)
Core modules Nuclear medicine 700 Radiopharmacology 700 Instrumentation 700 Essay 700	KDE 700 (50) RDF 700 (30) INX 700 (30) RSK 700 (30)

Note:

(bb) Students who did not register at undergraduate level (i.e. from the second year of study) in Radiation Therapy or Nuclear Medicine, register according to the undermentioned curricula:

(iv) **Radiation Therapy (Code 10247011)**

(The credit value of each module appears in brackets in the table below.)

Module	Module code
Fundamental modules Applied research methodology 800 Research principles 700	TNM 800 (5) NVB 700 (20)
Core modules Radiation therapy 701 Essay 700 Radiotherapeutic dosage planning 700 Radiation physics and radio protection 700 Clinical oncology and tumour pathology 701	RSZ 701 (40) RSK 700 (30) RDB 700 (40) SFR 700 (20) KOZ 701 (10)

(v) **Nuclear Medicine (Code 10247021)**

(The credit value of each module appears in brackets in the table below.)

Module	Module code
Fundamental modules Applied research methodology 800 Research principles 700	TNM 800 (5) NVB 700 (20)

<p>Core modules Nuclear medicine 701 Essay 700 Theory of nuclear medicine 710 Radiochemistry and radiopharmacology 700 Radiation physics and instrumentation for nuclear medicine 700</p>	<p>KDE 701 (30) RSK 700 (30) TKG 710 (30) RCF 700 (25) SFI 700 (20)</p>
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- (d) **Second examinations**
 Second examinations may be granted in modules not passed, according to the stipulations of the School of Healthcare Sciences in this regard.
- (e) **Degree with distinction**
 The degree is conferred with distinction on a student who has obtained an average of at least 75% in all the modules for the degree.

H.9 Master of Radiography [MRad]

Also consult General Regulations.

Fields of specialisation

Diagnostics (Code 10257001)
 Nuclear Medicine (Code 10257021)
 Radiation Therapy (Code 10257012)

- (a) **Requirements for admission**
 Subject to the stipulations of General Regulation G.62, at least a bachelor honours degree in Radiography is required, as well as registration as a radiographer with the Health Professions Council of South Africa.
 The master's degree may only be taken in the field of study in which the foregoing degree or equivalent qualification has been obtained.
- (b) **Duration**
 The programme extends over one academic year.
- (c) **Curriculum**
 (i) A dissertation in the field of Diagnostics (RSD 890) or Nuclear medicine (KDE 890) or Radiation therapy (RSZ 890).
 (ii) (TNM 800) Applied research methodology 800 or an equivalent module must be passed.
- (d) **Degree with distinction**
 A minimum of 75% must be obtained in the dissertation, to obtain the degree with distinction.

**H.10 Doctor of Philosophy [PhD]
 (Code 10260571)**

Also consult the General Regulations

Note: All PhD students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily. (Exemption will be granted if the module has already been passed for the MRad degree.)

Field of study: Radiography

- (a) Subject to the stipulations of General Regulations G.45 and G. 62, a student will only be admitted to doctoral degree studies if he or she is in possession of a master's degree.
- (b) The PhD degree study in the field Radiography is conferred by virtue of a thesis and, unless the Dean decides otherwise, an examination (RAD 900) which deals with the field of the thesis.
- (c) The thesis (RAD 990) must deal with a problem from one or other field of Radiography, it must give an overview of the literature on the topic, and a description of the observations made and experiments done by the student, as well as a discussion of the conclusions reached, and furthermore convince the promoter and examiners that it represents original research.
- (d) A complete research protocol in respect of the proposed thesis must be submitted to an evaluation committee at the commencement of the doctoral studies, and also to the Ethics Committee for approval.
- (e) The evaluation committee is constituted by the head of department, in conjunction with the Chairperson of the School, and will consist of experienced persons in research in the proposed field of study of the candidate.
- (f) At least two committee members will be appointed from other national and/or international tertiary institutions. Due to financial constraints, technological aids will be used in the case of committee members from foreign universities who will therefore be unable to attend the meeting. The report of the evaluation committee will be made available to the candidate in writing.

III. DEGREES IN OCCUPATIONAL THERAPY**H.11 Bachelor of Occupational Therapy [BOccTher]
(Code 10138001)**

Also consult General Regulations.

- (a) **Requirements for admission**
 - (i) A National Senior Certificate with admission for degree purposes with Physical Science and Mathematics.
 - (ii) In order to retain his or her selection, a student in Category 1 and 8 of the selection procedure, must obtain an APS of at least 30 in the final Grade 12-examination, as well as a 5 (60-69%) rating code in Physical Science and a 4 (50-59%) in Mathematics.
 - (iii) Formal application must be made for admission to the first year of study, as admission is subject to selection.
 - (iv) Students in the first year of study who do not qualify for admission to the second year of study are automatically subjected to selection again.
Note: Each student in Occupational Therapy must apply immediately after admission to the first year of study, to the Registrar of the Health Professions Council of South Africa for registration as a student in Occupational Therapy.
- (b) **Nature and duration**
 - (i) The programme extends over four academic years, during which period a student receives clinical training as a student occupational therapist at an institution approved by the University.

- (ii) Students must complete at least 1 000 hours' clinical practical work over the four years of study in order to register as an occupational therapist with the Health Professions Council of South Africa.
 - (iii) Students may complete the first three years over four years. In such cases, the choice of modules for the different years is done at the commencement of studies, in conjunction with the head of department.
- (c) **Pass requirements and grand total of credits for degree purposes**
- (i) **Subminimum:** In modules with a written as well as a practical and/or clinical examination, a subminimum of 40% is required in the written as well as the practical and/or clinical sections of the examination.
Also consult the general pass requirements of the School of Healthcare Sciences for the calculation of the final mark in a module, the continuous evaluation mark, obtaining a pass mark in modules with practical and/or clinical components, etc.
 - (ii) **Grand total of credits required to comply with degree requirements**
At least 580.
- (d) **Second examination opportunity**
Consult the requirements for a second examination opportunity under the general pass requirements of the School of Healthcare Sciences.
- (e) **Promotion to a subsequent year of study**
Consult the general requirements for promotion to a subsequent year of study of the School of Healthcare Sciences.
- (f) **First year of study Curriculum**
(Credit values per module appear in brackets in the table below.)

Module	Module code
Fundamental modules	
Anatomy 151, 152, 161, 162 (24)	ANA 151, 152, 161, 162
Academic literacy 110, 120 (12)	EOT 110, 120
Academic information management 101 (6)	AIM 101
Psychology 110, 120 (24)	SLK 110, 120
Community development 180, 181, 182, 183 (24)	GSO 180, 181, 182, 183
Physiology 161, 162 (12)	FSG 161, 162
Medical terminology 180 (12)	MTL 180
Basic emergency care 286 (2)	GNK 286
Core modules	
Occupational science 100 (25)	AKU 100
Occupational therapy 100 (16)	ART 100
Elective modules	
None	
Total number of credits required	151

Important

*The modules AIM 101 Academic information management and EOT 110,120 Academic literacy must be completed before registration for the fourth year of study.

(g) **Admission to the second year of study**

(i) Consult par. (e) above in connection with promotion to a subsequent year of study.

(h) **Second year of study:****Curriculum** (credit values of modules appear in brackets)

Module	Module code
Fundamental modules	
Psychology 210, 220 (40)	SLK 210, 220
Physiology 251, 252, 261, 262 (24)	FSG 251, 252, 261, 262*
Research and professional development 200 (10)	RPD 200
Core modules	
Occupational science 200 (10)	AKU 200
Occupational therapy 281 (12)	ART 281
Occupational therapy 282 (12)	ART 282
Occupational therapy 283 (12)	ART 283
Occupational therapy 284 (14)	ART 284
Elective modules	
None	
Total number of credits required	134

Note:

*Consult the Department of Physiology regarding possible prerequisites for the modules in question.

(i) **Admission to the third year of study**

Consult par (e) above for promotion to a subsequent year of study.

(j) **Third year of study****Curriculum** (credit values of modules appear in brackets)

Module	Module code
Fundamental modules	
Anatomical pathology 210 (12)	ANP 210
Research and professional development 380 (20)	RDP 380
African language: Sepedi 110 or isiZulu 110 (6)	SEP110 or ZUL 110
Core modules	
Occupational science 303 (25)	AKU 303
Occupational science 381 (25)	AKU 381
Occupational science 382 (25)	AKU 382
Occupational therapy 381 (20)	ART 381
Occupational therapy 382 (20)	ART 382
Elective modules	
None	
Total number of credits required	153

(k) **Admission to the fourth year of study:**

A student must pass all the modules of the first, second and third year of study to be admitted to the fourth year of study.

- (l) **Fourth year of study Curriculum** (credit values of modules appear in brackets)

Module	Module code
Fundamental modules	
Research and professional development 481 (5)	RPD 481
Core modules	
Occupational therapy 401 (45)	ART 401
Occupational therapy 402 (45)	ART 402
Occupational science 400 (45)	AKU 400
Elective modules	
None	
Total number of credits required	150

- (m) **Examination after one semester**
 A final-year student who has failed one module but who has passed all other modules, may be admitted to a special examination in the module in question at the end of the first semester of the subsequent year, after satisfactory attendance at lectures and clinical work during the first semester.
- (n) **Degree with distinction**
 The BOccTher degree is conferred with distinction on a student who has obtained an average of at least 75% in the core modules in the final year of study.

H.12 Bachelor of Occupational Therapy Honours [BOccTherHons]

Suspended until further notice.

H.13 Master of Occupational Therapy [MOccTher]

Also consult the General Regulations.

Note: Students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily. (Exemption will be granted if the module (BSN 701) Biostatistics and research methodology 701 has been passed for the BOccTherHons degree.)

- (a) **Admission requirements**
- (i) Subject to the stipulations of General Regulation G.62, the Bachelor's degree in Occupational Therapy or an equivalent qualification is required for admission, as well as registration as occupational therapist with the Health Professions Council of South Africa.
 - (ii) A student must hold at least a part-time position deemed applicable to the proposed field of study by the head of department.
 - (iii) Fields of specialisation for the MOccTher degree with coursework are offered on a biennial basis if at least five applicants apply for admission to a particular field of specialisation. The closing date for new applications is 31 October annually. Applicants will be notified as soon as possible after this date, whether or not a particular field of specialisation will be presented in the subsequent year. Commencement of studies must therefore be discussed beforehand with the head of department.

- (b) **Duration**
At least two academic years. Commencement of studies must first be discussed with the head of department, as not all the specialisations are offered each year.

(c) **Curricula**

(i) **MOccTher with coursework:**

The curriculum comprises a major subject and prerequisite subjects.

Fields of specialisation

(aa) **Hand Therapy (Code 10258011)**

Major subject:	ART 801	Occupational therapy 801
Essay:	ART 891	Essay: Occupational therapy 891
Prerequisite subjects:	AAN 802	Occupational therapeutic anatomy 802
	FSG 881	Physiology 881
	ANP 891	Anatomical pathology 891
	ATP 800	Theory in occupational therapy practice 800

(bb) **Neurology (Code 10258021)**

Major subject:	ART 802	Occupational therapy 802
Essay:	ART 891	Essay: Occupational therapy 891
Prerequisite subjects:	AAN 803	Occupational therapeutic anatomy 803
	FSG 881	Physiology 881
	ANP 891	Anatomical pathology 891
	ATP 800	Theory in occupational therapy practice 800

(cc) **Paediatrics (Code 10258031)**

Major subject:	ART 803	Occupational therapy 803
Essay:	ART 891	Essay: Occupational therapy 891
Prerequisite subjects:	AAN 803	Occupational therapeutic anatomy 803
	FSG 881	Physiology 881
	ANP 891	Anatomical pathology 891
	ATP 800	Theory in occupational therapy practice 800

(dd) **Psychiatry (Code 10258141)**

Major subject:	ART 804	Occupational therapy 804
Essay:	ART 891	Essay: Occupational therapy 891
Prerequisite subjects:	PGP 800	Psychopathology 800
	FSG 881	Physiology 881
	AAN 803	Occupational therapeutic anatomy 803
	GRA 800	Groups in occupational therapy 800
	ATP 800	Theory in occupational therapy practice 800

(ee) **Activity Theory (Code 10258051)**

Major subject:	ART 805	Occupational therapy 805
Essay:	ART 891	Essay: Occupational therapy 891
Prerequisite subjects:	FSG 881	Physiology 881
	AAN 803	Occupational therapeutic anatomy 803
	ATP 800	Theory in occupational therapy practice 800

(ii) **MOccTher by virtue of research (Code 10258001) Curriculum**

- (aa) A dissertation (ART 890) on an approved topic based on research.
- (bb) Successful completion of (ART 800) Occupational therapy 800 (attendance module) and (ATP 800) Theory in occupational therapy practice 800.

(d) **Examination**

MOccTher with coursework

- (i) A continuous evaluation mark of at least 50% is required for admission to the examination in the major subject.
- (ii) The sequence of the examinations in the prerequisite subjects will be determined by the head of department according to the major subject followed by the student.
- (iii) In order to pass, a subminimum of 40% in the written and/or practical and/or clinical sections of the examination, and a final mark of at least 50%, is required in the major as well as the prerequisite subject.

MOccTher by virtue of a dissertation

The minimum pass mark for the dissertation is 50%.

(e) **Degree with distinction**

(i) **MOccTher with coursework**

The degree is conferred with distinction on a student who has obtained at least 75% in the major subject, and an average of at least 65% in the prerequisite subjects.

(ii) **MOccTher with dissertation**

The degree is conferred with distinction on a student who has obtained at least 75% for the dissertation and at least 65% in the module (ATP 800) Theory in occupational therapy practice 800. (TNM 800) Applied research methodology 800 and (ART 800) Occupational therapy 800 must have been attended satisfactorily.

H.14 Doctor of Philosophy [PhD] (Code 10260321)
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Also consult General Regulations.

Note: All PhD students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily. (Exemption will be granted if (TNM 800) Applied research methodology 800 has been passed for the MOccTher degree.)

Field of study: Occupational Therapy

- (a) Subject to the stipulations of General Regulations G.45 and G.62, a candidate for admission to doctoral degree studies must hold a master's degree.
- (b) The PhD in Occupational Therapy is conferred by virtue of a thesis and, unless the Dean decides otherwise, an examination (code ART 900) pertaining to the field of study chosen for the thesis.
- (c) The thesis (ART 990) must deal with a problem in a field of Occupational Therapy; it must give a synopsis of the literature on the topic and contain a description of the observations made and experiments done by the student as well as a discussion of the conclusions reached.

**H.15 Doctor of Occupational Therapy [DOccTher]
(Code 10268001)**

Also consult General Regulations.

Note: All DOccTher students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily. (Exemption will be granted if (TNM 800) Applied research methodology 800 has been passed for the MOccTher degree.)

The DOccTher degree is conferred by virtue of a thesis (ART 990) and, unless the Dean decides otherwise, an examination (ART 900) on the field of study pertaining to the thesis.

IV. DEGREES IN PHYSIOTHERAPY
**H.16 Bachelor of Physiotherapy [BPhysT]
(Code 10138101)**

Also consult General Regulations G.1 to G.15.

- (a) **Requirements for admission**
 - (i) Only selected candidates will be admitted. A National Senior Certificate with admission for degree purposes is required, with at least a 4 (50-59%) in Mathematics and Physical Science in the final Grade 12 examination.
 - (ii) Selected first-year students who have passed in sufficient first-semester modules at 100 level will, according to the stipulations of General Regulation G.3, automatically be admitted to the second semester of the first year of study. During the second semester, students may follow the outstanding module(s) on an anti-semester basis and write the examination, on the condition that the modules in question are indeed presented on an anti-semester basis in the second semester by the relevant department and can be accommodated in the class and examination timetables.
 - (iii) If a student fails one or more first-year modules, he or she forfeits selection and must apply again for selection for the first year of study.
 - (iv) **Note:** Each student in Physiotherapy must apply to the Registrar of the Health Professions Council of South Africa for registration as a student in Physiotherapy immediately after admission to the first year of study.
- (b) **Nature and duration**
 - (i) The programme extends over four academic years, during which period a

- student receives clinical training as a student physiotherapist at an institution approved by the University.
- (ii) Students may be allowed to extend the first two years of study over three years, in which case the modules per year must be selected in consultation with the head of department at the commencement of studies.
- (c) **Pass requirements and grand total credits required for degree purposes**
Consult the general pass requirements of the School of Healthcare Sciences for the calculation of the final mark in a module, the continuous evaluation mark, obtaining a pass mark in modules with practical and/or clinical components, etc.
- The grand total of credits required to comply with degree requirements, is at least **618**.
- (d) **Second examination opportunity**
Consult the requirements for a second examination opportunity under the general pass requirements of the School of Healthcare Sciences.
- (e) **Promotion to a subsequent year of study**
Consult the general requirements for promotion to a subsequent year of study in the School of Healthcare Sciences. Modules/subjects with practical and clinical training credits cannot be passed, unless all prescribed clinical hours and practical skills have been completed to the satisfaction of the head of department.
- (f) **Curriculum**
- (i) **First year of study**
(Credit values indicated below are per module)

Module	Module code	Credits	Semester
Fundamental modules			
Physics 131	PHY 131	8	1
Chemistry 151	CMY 151	8	1
Psychology 110	SLK 110	12	1
Anatomy 151, 152, 161, 162	ANA 151, 152, 161, 162	24	1 + 2
Physiology 161, 162	FSG 161, 162	24	2
Academic information management 101	AIM 101	6	1
Academic literacy 110, 120	EOT 110, 120	12	1 + 2
African language: Sepedi 110 or isiZulu 110	SEP 110 or ZUL 110	6	1
Core modules			
Physiotherapy 100	FTP 100	15	1 + 2
Elective modules			
None			
Total number of credits		117	

- (ii) **Subminimum**
A subminimum of 40% is required in the theoretical as well as in the practical examination in FTP 100.
- (iii) **Practical nursing**
Practical nursing for a continual period of 40 hours must be completed satisfactorily at an approved hospital/facility after the conclusion of the

examination period in November. Documentary proof to this effect must be submitted.

(g) **Second year of study**

(i) **Curriculum**

Module	Module code	Credits	Semester
Fundamental modules			
Physiology 251, 252, 261, 262	FSG 251, 252, 261, 262	24	1+2
Anatomical pathology 210	ANP 210	14	1
Systems in healthcare 254	SOH 254	10	2
Medical microbiology 252, 253, 254	GMB 252, 253, 254	18	1+2
Basic emergency care 286	GNK 286	2	1
Psychology 210	SLK 210	20	1
Core modules			
Physiotherapy 203	FTP 203	52	1+2
Physiotherapy clinical practice 220	FTP 220	20	2
Professional development and leadership 251	POL 251	10	1
Elective modules			
None			
Total number of credits		170	

(ii) **Basic Emergency Care (Code GNK 286)**

- If students obtain 60% or more in Basic Emergency Care, this mark will be validated as the **examination mark** at the end of the year, and such students will be exempted from the examination in the module.
- Students who obtain between 40% and 49% in the calculated mark for the module, will be admitted to a second examination in November/December of the same year, or in January of the following year. A minimum of 50% is required as a pass mark for the second examination.
- This examination will also serve as an aegrotat or extraordinary examination for students who could not write the initial examination due to health or other acceptable reasons. A student must, however, apply formally to be admitted to such an examination, and the application must be approved by the Dean, on the recommendation of the head of department, and in some cases, also by the Faculty Health Committee.

(iii) **Subminimum**

A subminimum of 40% is required in the theoretical and practical components in the examination in FTP 220 and 203 and in POL 251.

(iv) **Exemption from the examination in (ANP) Anatomical pathology 210**

Consult the stipulations as set out under the School of Healthcare Sciences.

(h) **Admission to the third year of study**

A student must pass all the modules of the second year of study for admission to the third year of study.

(i) **Third year of study**(i) **Curriculum**

Module	Module code	Credits of modules	Semester
Fundamental modules			
Ethics and law in healthcare 310	MRZ 310	8	2
Research in healthcare 480	RHC 480	16	1
Pharmacology 381, 382	FAR 381, 382	35	1 + 2
Core modules			
Physiotherapy 300	FTP 300	40	1 + 2
Physiotherapy clinical practice 301	FTP 301	60	1 + 2
Professional development and leadership 300	POL 300	13	1 + 2
Elective modules			
None	-	-	-
Total number of credits		172	

(ii) **Subminimum**

A subminimum of 40% is required in the theoretical and practical/clinical examination in (FTP) Physiotherapy 300, (FTP) Physiotherapy clinical practice 301 and (POL) Professional development and leadership 300.

(iii) **Exemption from the examination in (FAR) Pharmacology 381, 382**

Consult the stipulations of the School of Healthcare Sciences in this regard.

(j) **Fourth year of study**(i) **Curriculum**

Module	Module code	Credits	Semester
Fundamental modules			
None			
Core modules			
Physiotherapy 400	FTP 400	30	1+2
Physiotherapy research 401	FTP 401	20	1+2
Physiotherapy clinical practice 402	FTP 402	88	1+2
Professional development and leadership 400	POL 400	19	1+2
Elective modules			
None			
Total number of credits		157	

(ii) **Subminimum**

A subminimum of 40% is required in clinical/practical as well as theoretical components of the examination of (FTP 400,402) Physiotherapy 400 and 402 and (POL 400) Professional development and leadership 400.

(iii) **Special examination: Fourth year of study**

- (aa) The student gets another opportunity to take part in the examination.
 (bb) A special examination in (FTP 400) Physiotherapy 400, (FTP 402) Physiotherapy clinical practice 402 and (POL 400) Professional development and leadership 400 is conducted after six months have elapsed since the examination in which the student failed. If the

student failed in (FTP 402) Physiotherapy clinical practice 402, he or she must undergo further clinical instruction in the clinical training areas and obtain at least 50% in the examination.

- (cc) A student who has not obtained a pass mark in the essay of (FTP 401) Physiotherapy 401, must submit an amended essay at a later date determined by the head of department.
- (iv) **Ancillary examination: Fourth year of study**
After the conclusion of the examination in (FTP 400) Physiotherapy 400 and (FTP 402) Physiotherapy clinical practice 402 and before the results are announced, the examiners may, with a view to awarding a final mark, summon a student for an ancillary examination in the theory and/or clinical component of (FTP 400) Physiotherapy 400 and (FTP 402) Physiotherapy clinical practice 402.
- (k) **Degree with distinction**
The degree is conferred with distinction on a student who has obtained at least 75% in (FTP 400) Physiotherapy 400 and (FTP 402) Physiotherapy clinical practice 402 and a joint average of at least 75% in (FTP 401) Physiotherapy research 401 and (POL 400) Professional development and leadership 400.

H.17 Master of Physiotherapy [MPhysT]

Also consult General Regulations.

- (a) **Requirements for admission**
- (i) Subject to the stipulations of General Regulation G.62, the BPhysT degree or an equivalent qualification is required, as well as registration as a physiotherapist with the Health Professions Council of South Africa.
 - (ii) For the MPhysT degree, students must also hold at least a part-time position, deemed applicable for master's degree studies by the head of department.
 - (iii) Candidates will be required to provide proof of having successfully completed applicable postgraduate modules in clinical fields of specialisation, e.g. Orthopaedic Manual Therapy 1, before the MPhysT degree will be conferred.
 - (iv) A candidate who applies for admission to the MPhysT degree studies by virtue of research (Code 10258101), must comply with the following requirement:
Complete applicable continued training courses presented at national level, in the field of research, as accredited with the Professional Board of Physiotherapy, Biokinetics and Podiatry.
 - (v) During the MPhysT studies, students must participate in formal departmental instruction and/or research programmes of at least 60 hours per year.
 - (vi) Postgraduate modules for all the fields of specialisation for the MPhysT degree with coursework, are offered on a biennial basis, if at least five applicants apply for admission to a particular field of specialisation. The closing date for new applications is 31 October annually. Applicants will be notified as soon as possible after this date, whether or not a particular field of specialisation will be presented in the subsequent year. Commencement of studies must, therefore, be discussed beforehand with the head of department.
 - (vii) The closing date for applications is 31 October annually.

- (b) **Duration**
At least two academic years.
- (c) **Curricula**
(i) **MPhysT with coursework**
The basic curriculum consists of a number of fundamental modules which are prerequisites for the core modules in the field of specialisation.

Fields of specialisation

Note: The credit value of each module is indicated in brackets in the table below.

(aa) **Surgery (Code 10258132)****Year 1**

Module	Module code	Credits
Fundamental modules		
Physiotherapeutic anatomy 871	FSA 871	15
Physiology 878	FSG 878	15
Physiotherapy 801	FTB 801	35
Professional physiotherapy practice 801	FTX 801	34
Core modules		
Clinical physiotherapy: Surgery 801	FTK 801	160
Elective modules*		

Year 2

Module	Module code	Credits
Fundamental modules		
Pharmacology 871*	FAR 871	35
Professional physiotherapy practice 801	FTX 801	26
Core modules		
Clinical physiotherapy: Surgery 801	FTK 801	160
Research methodology 800*	TNM 800	16
Research project 893	FTP 893	16
Elective modules*		

*Candidates who have passed with at least 60% in corresponding modules to those indicated with * above during the four-year BPhysT degree studies or an equivalent degree programme must, in consultation with the head of department, select relevant modules from any faculty of the University of Pretoria, instead of the modules in question to the value of at least **69** credits, provided it can be accommodated in the class and examination timetables.

(bb) **Internal Medicine (Code 10258162)****Year 1**

Module	Module code	Credits
Fundamental modules		
Physiotherapeutic anatomy 808	FSA 808	15
Physiology 877	FSG 877	15
Physiotherapy 802	FTB 802	35
Professional physiotherapy practice 802	FTX 802	34
Core modules		
Clinical physiotherapy: Internal medicine 802	FTK 802	160
Elective modules*		
	-	-

Year 2

Module	Module code	Credits
Fundamental modules		
Pharmacology 871*	FAR 871	35
Professional physiotherapy practice 801	FTX 801	26
Core modules		
Clinical physiotherapy: Internal medicine 802	FTK 802	160
Research methodology 800*	TNM 800	16
Research project 893	FTP 893	16
Elective modules*	-	-

*Candidates who have passed with at least 60% in corresponding modules to those indicated with * above during the four-year BPhysT degree studies or an equivalent degree programme must, in consultation with the head of department, select relevant modules from any faculty of the University of Pretoria, instead of the modules in question to the value of at least **69** credits, provided it can be accommodated in the class and examination timetables.

(cc) Paediatrics (Code 10258172)**Year 1**

Module	Module code	Credits
Fundamental modules		
Physiotherapeutic anatomy 870	FSA 870	15
Physiology 874	FSG 874	15
Physiotherapy 803	FTB 803	35
Professional physiotherapy practice 801	FTX 801	34
Core modules		
Clinical physiotherapy: Paediatrics 803	FTK 803	160
Elective modules*	-	-

Year 2

Module	Module code	Credits
Fundamental modules		
Pharmacology 871*	FAR 871	35
Professional physiotherapy practice 803	FTX 803	26
Core modules		
Clinical physiotherapy: Paediatrics 803	FTK 803	160
Research methodology 800*	TNM 800	16
Research project 893	FTP 893	16
Elective modules*	-	-

*Candidates who have passed with at least 60% in corresponding modules to those indicated with * above during the four-year BPhysT degree studies or an equivalent degree programme must, in consultation with the head of department, select relevant modules from any faculty of the University of Pretoria, instead of the modules in question to the value of at least **69** credits, provided it can be accommodated in the class and examination timetables.

(dd) Neurology/Neurosurgery (Code 10258232)**Year 1**

Module	Module code	Credits
Fundamental modules		
Physiotherapeutic anatomy 807	FSA 807	15

Physiology 874	FSG 874	15
Physiotherapy 804	FTB 804	35
Professional physiotherapy practice 801	FTX 801	34
Core module		
Clinical physiotherapy: Neurology 804	FTK 804	160
Elective modules*	-	-

Year 2

Module	Module code	Credits
Fundamental modules		
Pharmacology 871*	FAR 871	35
Professional physiotherapy practice 801	FTX 801	26
Core modules		
Clinical physiotherapy: Neurology 804	FTK 804	160
Research methodology 800*	TNM 800	16
Research project 893	FTP 893	16
Elective modules*	-	-

*Candidates who have passed with at least 60% in corresponding modules to those indicated with * above during the four-year BPhysT degree studies or an equivalent degree programme must, in consultation with the head of department, select relevant modules from any faculty of the University of Pretoria, instead of the modules in question to the value of at least **69** credits, provided it can be accommodated in the class and examination timetables.

(ee) Women's Health (Code 10258182)**Year 1**

Module	Module code	Credits
Fundamental modules		
Physiotherapeutic anatomy 809	FSA 809	15
Physiology 871	FSG 871	15
Physiotherapy 805	FTB 805	35
Professional physiotherapy practice 801	FTX 801	34
Core modules		
Clinical physiotherapy: Women's health 805	FTK 805	160
Elective modules*	-	-

Year 2

Module	Module code	Credits
Fundamental modules		
Pharmacology 871*	FAR 871	35
Professional physiotherapy practice 801	FTX 801	26
Core modules		
Clinical physiotherapy: Women's health 805	FTK 805	160
Research methodology 800*	TNM 800	16
Research project 893	FTP 893	16
Elective modules*	-	-

*Candidates who have passed with at least 60% in corresponding modules to those indicated with * above during the four-year BPhysT degree studies or an equivalent degree programme must, in consultation with the head of department, select relevant modules from any faculty of the University of Pretoria, instead of the modules in question to the value of at least **69** credits, provided it can be accommodated in the class and examination timetables.

(ff) **Orthopaedics (Code 10258202)****Year 1**

Module	Module code	Credits
Fundamental modules		
Physiotherapeutic anatomy 806	FSA 806	15
Physiology 872	FSG 872	15
Physiotherapy 806	FTB 806	35
Professional physiotherapy practice 801	FTX 801	34
Core modules		
Clinical physiotherapy: Orthopaedics 806	FTK 806	160
Elective modules*		
	-	-

Year 2

Module	Module code	Credits
Fundamental modules		
Pharmacology 871*	FAR 871	35
Professional physiotherapy practice 801	FTX 801	26
Core modules		
Clinical physiotherapy: Orthopaedics 806	FTK 806	160
Research methodology 800*	TNM 800	16
Research project 893	FTP 893	16
Elective modules*		
	-	-

*Candidates who have passed with at least 60% in corresponding modules to those indicated with * above during the four-year BPhysT degree studies or an equivalent degree programme must, in consultation with the head of department, select relevant modules from any faculty of the University of Pretoria, instead of the modules in question to the value of at least **69** credits, provided it can be accommodated in the class and examination timetables.

(gg) **Orthopaedic Manual Therapy (Code 10258212)****Year 1**

Module	Module code	Credits
Fundamental modules		
Physiotherapeutic anatomy 807	FSA 807	15
Physiology 877	FSG 877	15
Physiotherapy 807	FTB 807	35
Professional physiotherapy practice 801	FTX 801	34
Core modules		
Clinical physiotherapy: Orthopaedic manual therapy 807	FTK 807	160
Elective modules*		
	-	-

Year 2

Module	Module code	Credits
Fundamental modules		
Pharmacology 871*	FAR 871	35
Professional physiotherapy practice 801	FTX 801	26
Core modules		
Clinical physiotherapy: Orthopaedic manual therapy 807	FTK 807	160

Research methodology 800*	TNM 800	16
Research project 893	FTP 893	16
Elective modules*	-	-

*Candidates who have passed with at least 60% in corresponding modules to those indicated with * above during the four-year BPhysT degree studies or an equivalent degree programme must, in consultation with the head of department, select relevant modules from any faculty of the University of Pretoria, instead of the modules in question to the value of at least **69** credits, provided it can be accommodated in the class and examination timetables.

(hh) **Sports Medicine (Code 10258222)**

Year 1

Module	Module code	Credits
Fundamental modules		
Physiotherapeutic anatomy 875	FSA 875	15
Physiology 875	FSG 875	15
Physiotherapy 808	FTB 808	35
Professional physiotherapy practice 801	FTX 801	34
Core modules		
Clinical physiotherapy: Sports medicine 808	FTK 808	160
Elective modules*	-	-

Year 2

Module	Module code	Credits
Fundamental modules		
Pharmacology 871*	FAR 871	35
Professional physiotherapy practice 801	FTX 801	26
Core modules		
Clinical physiotherapy: Sports medicine 808	FTK 808	160
Research methodology 800*	TNM 800	16
Research project 893	FTP 893	16
Elective modules*	-	-

*Candidates who have passed with at least 60% in corresponding modules to those indicated with * above during the four-year BPhysT degree studies or an equivalent degree programme must, in consultation with the head of department, select relevant modules from any faculty of the University of Pretoria, instead of the modules in question to the value of at least **69** credits, provided it can be accommodated in the class and examination timetables.

(ii) **MPhysT by virtue of research (Code 10258101)**

Note: All MPhysT students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily.

(aa) **Dissertation**

The master's degree is conferred by virtue of a dissertation (FTP 890), on an approved topic based on research.

(bb) **Publication**

All students must submit a publication that has been accepted for publication by an accredited journal before the degree will be conferred.

(d) **Examinations**

MPhysT with coursework

(i) The examinations in the prerequisite modules will take place prior to or

- concurrently with that of the major subject as determined by the head of department.
- (ii) The examination consists of a written and a clinical as well as an oral component.
 - (iii) A subminimum of 50% is required in each section of the examination, with a final mark of at least 50% to pass.
 - (iv) A student will be granted a second opportunity to take part in the examination in the major subject after at least six months have elapsed since the original examination took place.
 - (v) Students must submit a publication that has been accepted by an accredited journal for publication before the degree will be conferred.
 - (vi) Candidates who submit certificates of successful completion of modules in the Continued Professional Development programme with a view to admission to the MPhysT with coursework, must pass in an open examination in the module in question in order to retain credits.
- (e) **Degree with distinction**
- (i) **MPhysT with coursework**
The degree is conferred with distinction on a student who has obtained an average of at least 75% in the major subject and the prerequisite subjects, and at least 60% in all other prescribed modules.
 - (ii) **MPhysT by virtue of research**
To obtain the degree with distinction, at least 75% is required for the dissertation.

**H.18 Doctor of Philosophy [PhD]
(Code 10260451)**

Also consult General Regulations.

Note: All students must register for, and attend (TNM 800) Research methodology 800 satisfactorily. (Exemption will be granted if (TNM 800) Applied research methodology 800 has been passed for the MPhysT degree.)

Specialisation: Physiotherapy

- (a) **Requirements for admission**
Subject to the stipulations of General Regulations G.54 and G.62, a candidate must be in possession of a master's degree in Physiotherapy or an equivalent qualification for admission to doctoral studies. The PhD is conferred by virtue of a thesis (FTP 990) and, unless the Dean decides otherwise, an examination on the field of study covered by the thesis (FTP 900).
- (b) A complete research protocol with regard to the thesis must be submitted to an evaluation committee and, if necessary, also to the Ethics Committee for approval. The evaluation committee is constituted by the head of department in conjunction with the Chairperson of the School and will consist of experienced persons in research in the proposed field of study of the candidate.
At least two committee members will be appointed from other national and/or international tertiary institutions. Due to financial constraints, technological aids will be used in the case of committee members from foreign universities, who will for this reason be unable to attend the meeting. The report of the evaluation committee will be made available to the candidate in writing.

- (c) The thesis must deal with a problem from one or other field of Physiotherapy and must be proof to the promoter and examiners that it represents original research.
- (d) The maximum period for the completion of a doctoral degree is five years. However, in accordance with the stipulations of General Regulation G. 32.4 and in extraordinary circumstances, the Chairperson of a School may, on the recommendation of the head of department, approve a fixed, limited extension of the period.

V. DEGREES IN DIETETICS

H.19 Bachelor of Dietetics [BDietetics] (Code 10139001)

Also consult General Regulations G.1 to G.15.

- (a) **Requirements for admission**
A National Senior Certificate with admission for degree purposes with at least a rating code of 4 (50-59%) in Mathematics, in Physical Science and in two other subjects. Only selected candidates are admitted.
- (b) **Nature and duration**
The programme extends over four academic years during which period a student receives practical training as a student dietician at an institution or institutions approved for this purpose by the University.
- (c) **Pass requirements, internship training and grand total of credits required for degree purposes**
 - (i) Consult the general pass requirements of the School of Healthcare Sciences, for the calculation of the final mark in a module, the continuous assessment mark, obtaining a pass mark in modules with practical and/or clinical components, etc.
 - (ii) **Internship training (second semester of the final year of study):**
The three compulsory semester modules (CNT 480, MNX 480 and FSS 480) jointly form the internship training and must be taken simultaneously.
 - (iii) The grand total credits required to comply with degree requirements is at least **880**. (Five credits are allowed for examination purposes in the final year.)
 - (iv) **Degree with distinction**
The degree is conferred with distinction on a student who has obtained an average of at least 75% in the following modules: CNT 411, 480 jointly, as well as MNX 411, 480 jointly, and VDS 322, VDB 321 and FSS 480 jointly.
- (d)
 - (i) After admission to the first year of study, each student in Dietetics must register as a student in Dietetics with the Health Professions Council of South Africa.
 - (ii) Students are required to complete at least four weeks applicable elective training (Code DTT 380) under the supervision of a dietician at an institution approved for this purpose by the University, after the first semester of the third year of study and prior to the commencement of the fourth year of study.

- (e) **Second examination opportunity**
Consult the requirements for a second examination opportunity under the general pass requirements in the School of Healthcare Sciences.
- (f) **Promotion to a subsequent year of study**
(i) Consult the general requirements for promotion to a subsequent year of study under the School of Healthcare Sciences.
(ii) Each paper (Paper 1 and 2) of the written examination for Medical nutrition therapy 323, 411 and 480 (MNX 323, 411, 480) as well as the practical examination for MNX 411 must be passed individually with a subminimum of 40%.
(iii) Each paper written for the second examination opportunity in Medical nutrition therapy 323, 411 and 480 (MNX 323, 411, 480) as well as the practical examination for MNX 411 (second examination opportunity) must be passed individually with a subminimum of 50%.
- (g) **Exemption from the examination in (FAR) Pharmacology 381, 382**
Consult the stipulations set out under the School of Healthcare Sciences.
- (h) **Curriculum**
(i) The table below comprises the fundamental, core and elective modules as well as credit value of each module prescribed for the curriculum, and an indication of the compulsory parallel modules and module prerequisites opposite each module.
(ii) In a module in the prerequisite column followed by the symbol GS, a joint mark of at least 40% must be obtained prior to admission to the module in the first column. A module without any symbol must, however, be passed with at least 50%. A parallel module must be followed prior to, or simultaneously with the module in the first column.

First year of study

First semester	Parallel modules	Prerequisites	Credits
Fundamental modules			
CMY 117 General chemistry 117	-	-	16
PHY 131 Physics 131	-	-	16
MLB 111 Molecular and cell biology 111	-	-	16
EOT 110 Academic literacy 110	-	-	6
AIM 101 Academic information management 101	-	-	6
Core module			
VDS 111 Food 111	-	-	10
DTT 110 Dietetic profession 110	-	-	8
Total credits per semester			78
Second semester	Parallel modules	Prerequisites	Credits
Fundamental modules			
CMY 127 Chemistry 127	-	-	16
EOT 120 Academic literacy 120	-	-	6
Core modules			
DTT 121 Application of communication principles in dietetics	-	-	8

KEP 261 Cultural eating patterns 261	-	-	6
ANA 161 Anatomy of the torso 161	-	-	6
Elective modules			
SEP/ZUL Sepedi 110/isiZulu 110	-	-	6
Total credits per semester			52
Total credits first year			130

Second year of study

First semester	Parallel modules	Prerequisites	Credits
Fundamental modules			
MGW 112 People and their environment 112	-	-	6
FLG 211 Introductory and neuro-physiology 211	-	MLB 111 CMY 117 GS, 127 GS PHY 131 GS	16
FLG 212 Circulatory physiology 212	-	As for FLG 211	16
BCM 253 Protein and enzymes 253	-	MLB 111 GS	9
BCM 254 Prac: Protein and enzymes 254	BCM 253	CMY 117 GS, 127 GS	3
BCM 255 Carbohydrate metabolism 255	-	MLB 111	9
BCM 256 Prac: Carbohydrate metabolism 256	BCM 255	CMY 117 GS, 127 GS	3
GMB 252 Medical microbiology 252	FLG 211,221	-	6
Core modules			
VDS 210 Food 210	-	VDS 111	18
HNT 210 Human nutrition 210	FLG 211, 212 BCM 253, 254, 255, 256	2nd-year status	27
Total credits per semester			113
Second semester	Parallel modules	Prerequisites	Credits *
Fundamental modules			
FLG 221 Lung and kidney physiology, acid-base equilibrium and temperature 221	FLG 222	FLG 211, 212	16
FLG 222 Digestion, endocrinology and reproductive systems 222	FLG 221	FLG 211, 212	16
BCM 263 Lipid and nitrogen metabolism 263	-	BCM 253 GS, 254 GS, 255 GS 256 GS	9
BCM 264 Prac: Lipid and nitrogen metabolism 264	FLG 221, 222	BCM 253 GS, 254 GS, 255 GS 256 GS	3
BCM 265 Biochemistry in perspective 265	-	As for BCM 263 & 264	9
BCM 266 Prac: Biochemistry in perspective 266	-	As for BCM 263 & 264	3

GMB 253,254 Medical microbiology 253, 254	FLG 221, 222	FLG 211 GS, 212 GS	12
MRZ 310 Ethics and law in healthcare 310	-	2nd-year status	6
Core modules			
VDS 221 Food 221	-	VDS 210	18
HNT 220 Human nutrition 220	FLG 221, 222	FLG 211 GS, 212 GS	24
	BCM 263, 264, 265, 266	BCM 253, 254 255, 256 VDG 250 HNT 210	
DTT 222 Nutrition Education 222	HNT 220	2nd-year status	18
Total credits per semester			134
Total credits second year (80/week)			239

Third year of study

First semester	Parallel modules	Prerequisites	Credits *
Fundamental modules			
FLG 312 Developmental physiology 312	-	FLG 221, 222	9
FLG 314 Immunology 314	-	BCM 253, 254, 255, 256 GS, 263 ,264, 265, 266 GS	9
FAR 381 Pharmacology 381	-	FLG 211, 212, 221, 222 GS	20
Core modules			
NTA 313 Nutritional assessment 313	-	3rd-year status	46
RCH 310 Research project 310	-	3rd-year status	20
DTT 310 Dietetic counselling 310	-	3rd-year status	20
MNX 310 Medical nutrition therapy 310	-	3rd-year status	9
CNT 310 Community nutrition 310	-	3rd-year status	12
Total credits per semester			145
Second semester	Parallel modules	Prerequisites	Credits *
Fundamental modules			
FAR 382 Pharmacology 382	-	FAR 381, FLG 211, 212, 221, 222 GS	15
Core modules			
VDS 322 Food 322	-	KEP 261, VDS 210, 221	29
VDB 321 Food service management 321	-		18
MNX 323 Medical nutrition therapy 323	-	3rd-year status	36
CNT 320 Community nutrition 320	-	3rd-year status	3
RCH 320 Research project 320	-	RCH 310	10

DTT 320 Clinic and discussion class 320	-	DTT 310	6
Total credits per semester			117
Total credits third year			262

Fourth year of study

First semester (10 weeks)	Parallel module	Prerequisite/s	Credits
CNT 411 Community nutrition 411	-	4th-year status	25
HNT 411 Human nutrition 411	-	4th-year status	18
MXN 411 Medical nutrition therapy 411	-	4th-year status	35
RCH 410 Research project 410	-	RCH 320	7
DTT 411 Dietetics profession 411	-	4th-year status	5
PRS 461 Practice management 461	-	4th-year status	5
Total credits per semester			95
Second semester (27 weeks)	Parallel module	Prerequisite/s	Credits
DTT 480 Dietetics profession 480	-	4th-year status	4
CNT 480 Community nutrition 480	-	CNT 411	35
MXN 480 Medical nutrition therapy 480	-	MXN 411	50
FSS 480 Food service management 480	-	VDS 322, VDB 321	35
Total credits per semester			124
Total credits fourth year			219

H.20 Bachelor of Dietetics Honours [BDieteticsHons] Code (10240001)
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Also consult General Regulations.

(a) Requirements for admission

A BDietetics degree.

(b) Duration

One year of full-time study or a maximum of 5 semesters of part-time study.

(c) Curriculum

A student chooses honours modules to a total of credits determined by the head of the Department of Human Nutrition, in addition to (NME 713, 714) Research methodology 713, 714 (or a similar module) and other subsidiary requirements, in consultation with the head of the division, and depending on the prerequisites and field of specialisation. Before the degree is conferred, (STK 110) Statistics 110 or a similar module must be passed.

(d) Degree with distinction

The degree is conferred with distinction on a student who has obtained a weighted average of at least 75% in the programme.

H.21 Master of Dietetics [MDietetics]
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Also consult General Regulations.

- (a) **Admission requirements**
- (i) Subject to the stipulations of General Regulation G.62, the minimum requirement is a Bachelor's degree in Dietetics, as well as registration as a dietician with the Health Professions Council of South Africa.
 - (ii) At least one year of full-time practical experience after acquiring the qualification in terms of which admission to master's degree study is sought.
 - (iii) Students are selected on the grounds of previous academic achievement.
- (b) **Duration**
A maximum period of four years.
- (c) **Curriculum**
- MDietetics by virtue of research (Code 10259001)**
- (i) Students must hold a recognised honours degree in Dietetics/Human Nutrition.
 - (ii) (TNM 800) Applied research methodology 800 or an equivalent module must be passed.
 - (iii) The master's degree is conferred by virtue of a dissertation (DEK 890) on an approved topic based on research. A minimum pass mark of 50% is required for the dissertation.
 - (iv) **Degree with distinction**
The degree is conferred with distinction on a student who obtains at least 75% in the dissertation.

MDietetics by virtue of coursework (Code 10259002)

- (i) Students must hold a recognised Bachelor's degree in Dietetics/Human Nutrition.
- (ii) (TNM 800) Applied research methodology 800 or an equivalent module must be passed satisfactorily.
- (iii) For the coursework component, a student has to take compulsory modules to a total of 80 credits and choose modules (from elective modules) to a total of 120 credits. Any specific module is offered on condition that a minimum number of students is registered for the module, as determined by the Head of the department and the Dean. Students must consult the head of the division in order to compile a meaningful programme, as well as for information on the syllabi of the modules. The departmental postgraduate brochure should also be consulted.

Core modules	Credits (80 credits required)
DEK 880 Introduction to research and nutrition epidemiology 880	30
DEK 881 Nutritional assessment 881	30
DEK 882 Literature study 882	20
One topic of own choice from: Medical nutrition therapy/Community nutrition/ Food service system management	
Elective modules (2 out of 8 options)	Credits (40 credits required)
DEK 804 Immuno-nutrition 804	20
DEK 805 Sport nutrition 805	20
DEK 806 Nutrition counselling 806	20

DEK 807 Diet-related non-communicable lifestyle diseases 807	20
DEK 808 Nutrition support 808	20
DEK 883 Micro-nutrient malnutrition 883	20
DEK 884 Early childhood nutrition intervention 884	20
DEK 809 Nutri-genomics 809	20
	Credits
DEK 895 Essay: Dietetics 895	120

- (iv) A final mark of at least 50% is required to pass in the coursework. A minimum of 50% is required to pass in the essay.
- (v) **Degree with distinction**
The degree is conferred with distinction on a student who has obtained an average of at least 75% in the coursework as well as a minimum of 75% in the essay.

H.22 Master of Science [MSc] in Applied Human Nutrition

Also consult General Regulations.

Note:

All MSc students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily. (Exemption may be granted if the module has already been passed for the BScHons degree.) However, MSc(Pharmacology) students must register for FAR 872 instead of TNM 800.

- (a) **Admission**
A recognised bachelor's degree in Medicine or in a supplementary health service profession; or a recognised and applicable bachelor honours degree of equivalent status as the BDietetics degree with regard to Physiology and Biochemistry.
- (b) **Duration**
The maximum period for completion of the master's degree is four years. Subject to the stipulations of General Regulation G.32, the Chairperson of the School in question may, in consultation with the head of department, approve a fixed limited extension of the period on the grounds of extraordinary circumstances.
- (c) **Curriculum**
TNM 800 Applied research methodology 800
DEK 884 Early childhood nutrition intervention 884
DEK 885 Human nutrition 885
DEK 886 Diet therapy 886
or
DEK 887 Applied nutrition 887
DEK 888 Two literature studies 888
DEK 895 Essay 895
- (d) **Degree with distinction**
The MSc in Applied Human Nutrition is conferred with distinction on a student who obtains an average of at least 75% in all the abovementioned modules and for the essay.

**H.23 Doctor of Philosophy [PhD]
(Code 10263061)**

Also consult General Regulations.

Note:

Students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily. (Exemption will be granted if the module has been passed for the master's degree.)

Field of specialisation: Dietetics

(DEK 900) Examination: Dietetics 900 and

(DEK 990) Thesis: Dietetics 990.

**H.24 Doctor of Science [DSc]
(Code 10262001)**

The degree is conferred by virtue of publications.

Consult General Regulation G.56.

Degree code for Dietetics: 10262001

Degree code for other fields: 10262000

H.25 POSTGRADUATE DIPLOMAS IN THE SCHOOL OF HEALTHCARE SCIENCES

A. Postgraduate Diploma in Dietetics

Suspended until further notice.

**B. Postgraduate Diploma in Vocational Rehabilitation [DVR]
(Code 10220141)**

(a) **Admission requirements**

(i) Subject to the stipulations of General Regulation G.62, the BOccTher degree or an equivalent qualification as well as registration as an Occupational Therapist with the Health Professions Council of South Africa is required for admission.

(ii) A student must fill at least a part-time post regarded by the head of department as appropriate for the field of study in question.

(b) **Duration**

At least one academic year, with presentation of the curriculum in four block weeks.

Note:

Commencement of studies must be discussed with the head of department, as the programme is presented every second year.

(c) **Curriculum**

The curriculum consists of a major subject and prerequisite subjects:

Major: BRH 700 Vocational rehabilitation 700 (30 credits)

Prerequisite subjects: GRA 701 Groups in occupational therapy (30 credits)

C.S. 701

WSD 701	Work study 701	(30 credits)
FIA 702	Financial administration 702	(30 credits)

- (d) **Total number of credits required**
120
- (e) **Examinations**
The sequence of the examinations in the prerequisite subjects will be determined by the head of the department, depending on the candidate's choice of a major subject.
- (f) **Diploma with distinction**
The diploma is awarded with distinction to a student who has obtained an average of at least 75% in all the subjects.

C. Postgraduate Diploma in Interpersonal Communication and Group Techniques in Occupational Therapy (Code 10220131)
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Discontinued until further notice.

D. Postgraduate Diploma in Group Activities [DGA] (Code 10220151)
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- (a) **Admission requirements**
- (i) Subject to the stipulations of General Regulation G.62, the BOccTher degree or equivalent qualification as well as registration with the Health Professions Council of South Africa is required.
 - (ii) A student must fill at least a part-time post regarded by the head of department as appropriate for the field of study in question.
- (b) **Duration**
At least one academic year, with presentation of the curriculum in question in four block weeks.
- (c) **Curriculum**
- (i) IKX 700 Interpersonal communication 700 (60 credits)
 - (ii) GRT 700 Group techniques in occupational therapy 700 (60 credits)
- (d) **Total number of credits required**
120
- (e) **Examinations**
- (i) **Admission**
A continuous evaluation mark of at least 50% as well as satisfactory class attendance is required for admission to the examination.
 - (ii) **Pass requirement**
A subminimum of 50% must be obtained in both the written and the oral/practical sections of the examination, with a final mark of at least 50% to pass.
 - (iii) **Second examination**
Students will be admitted to any second examination granted, six months after the original examination has taken place.

(f) **Diploma with distinction**

The diploma is issued with distinction to a student who obtains an average of at least 75% in all prescribed modules.

**E. Postgraduate Diploma in the Handling of Childhood Disability [DHCD]
(Code 10220171)**
(a) **Admission requirements**

- (i) A career-oriented bachelor's degree or an equivalent qualification which is regarded as applicable for admission to study by the head of department.
- (ii) At least one year professional experience after the degree or equivalent qualification has been obtained, in an area that is regarded as applicable by the head of department.
- (iii) A student must fill at least a part-time post regarded as appropriate by the head of department for the field of study in question.

(b) **Nature and duration**

The programme is presented in four block weeks during one academic year.

Note:

Commencement of studies must be cleared with the head of department as the programme is presented every second year.

(c) **Curriculum**

DCD 701	Normal development 701	(20 credits)
DCD 702	Identification 702	(30 credits)
DCD 703	Intervention for developmental disabilities 703	(35 credits)
DCD 704	Intervention for disabilities 704	(35 credits)

(d) **Total number of credits required**

120

(e) **Examinations**

Students are required to attend all lectures and practical work to the satisfaction of the head of department, for admission to the examination.

Examination in the written, oral and/or practical components of an examination must be passed with a final mark of at least 50%, to pass in the module in question.

(f) **Diploma with distinction**

The Diploma is awarded with distinction to a student who obtains an average of at least 75% in all the prescribed modules.

**F. Postgraduate Diploma in Hand Therapy [DHT]
(Code 10220161)**
(a) **Admission requirements**

- (i) Subject to the stipulations of General Regulation G.62, the BOccTher degree or an equivalent qualification, or the BPhysT degree or an equivalent qualification, is required for admission, as well as registration as an occupational therapist/physiotherapist with the Health Professions Council of South Africa.
- (ii) A student must fill at least a part-time position that is deemed by the head of department to be appropriate for the field of study in question.

(b) **Duration**

The programme extends over one academic year and is presented in four blocks. (The number of blocks and duration may be adjusted after consultation between the lecturers and students.)

Note:

Commencement of studies must be discussed with the head of department, as the programme is presented every second year.

(c) **Curriculum**

AAN 701	Anatomy 701	(10 credits)
FIP 701	Physiology and patho-physiology 701	(10 credits)
BEX 701	Biomechanics and ergonomics 701	(10 credits)
KVH 701	Clinical skills in hand therapy 701	(40 credits)
ADM 701	Advanced clinical management in hand therapy 701	(50 credits)

(d) **Total number of credits required**

120

(e) **Examinations**

(i) **Pass requirements**

In the case of a written and oral/practical examination, a subminimum of 50% is required in each of the written as well as the oral/practical sections of the examination, with a final mark (continuous evaluation mark and examination mark) of at least 50% to pass in a module.

(ii) **Admission to the examination**

Students must have attended all practicals and submitted all assignments, failing which admission to the examination will not be granted.

(iii) **Second examination**

The dates for second examinations are arranged in consultation with the head of department, with the proviso that this will take place not later than the next examination period.

(f) **Diploma with distinction**

The diploma is awarded with distinction to a student who obtains at least 75% in (ADM 701) Advanced clinical management in hand therapy 701, and an average of at least 75% in the other modules.

SCHOOL OF HEALTH SYSTEMS AND PUBLIC HEALTH

I. POSTGRADUATE DEGREES

P.1 Bachelor of Science Honours [BScHons]
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Also consult General Regulations.

(a) **Requirements for admission**

- (i) A candidate must hold a bachelor's degree deemed acceptable by the head of department for the proposed field of study, or an equivalent qualification deemed acceptable by the Senate of the University for the proposed field of study, with at least one applicable biological subject as major subject.
- (ii) Admission to the study for an honours degree is subject to the approval of the head of department: with the proviso that a candidate who has obtained an average of less than 60% in the modules of his or her major subject in the final year of the bachelor's degree study, may only be admitted with the **Dean's approval**, on the recommendation of the head of department. Additional requirements may be set by the head of department.
- (iii) Admission requirements for the honours degree programme in the field of Biostatistics:
In order to be eligible to enrol for the BScHons in Biostatistics, candidates must have a bachelor's degree with Statistics as a major subject on 100, 200 and 300 level.

(b) **Duration**

One year of full-time study
Two years of part-time study

(c) **Curriculum**

- (i) In the School of Health Systems and Public Health, the BScHons degree is conferred in the following field of study:

Field of study	Degree code	Module code
Biostatistics	10244010	BOS 700

(ii) **The following requirements are set:**

- Advanced instruction by means of self-tuition and four compulsory seminars of which at least one must be read to and defended before the department in question, on topics assigned to the student.
- Attendance at the compulsory faculty module (TNM 800) Applied research methodology 800.
- Taking part in a research project and presentation of an independent research report.
- Satisfactory attendance at a library-user course.

(d) **Examinations**

- (i) The honours examination consists of two written papers of three hours each as well as an oral examination of 30 minutes. One written examination in Biostatistics of three hours must be passed with at least 60%.

- (ii) To comply with the pass requirements for the degree, a student must obtain a final mark of at least 50% in each division as indicated, as well as a pass mark of at least 50% for the essay/work assignment (if applicable). The stipulations regarding pass requirements for dissertations in General Regulation G.60.2.1.2(a) apply *mutatis mutandis* to essays.
- (e) **Degree with distinction**
The degree is conferred with distinction on a student who has obtained an average of at least 75% in the examination (written, oral, practical, etc.).

P.2 Master of Science [MSc]

Also consult General Regulations.

- (a) **Admission requirements**
Subject to the stipulations of General Regulation G.62, a four-year bachelor's degree is required, or an honours degree, or in the case of a three-year bachelor's degree, also applicable practical (work) experience as prescribed by the University, plus any other additional work deemed necessary by the head of department: With the proviso that the head of department will have the discretion to decide whether the prerequisite qualification, or the qualification plus work experience would be acceptable for admission to the proposed field of study.

In the case of the field of study Biostatistics, an applicable honours degree is required, with Statistics at honours level.

Note:

All MSc students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily. (Exemption may be granted if the module has already been passed for the BScHons degree.)

- (b) **Duration**
The maximum period for completion of the master's degree is four years. Subject to the stipulations of General Regulation G.32, the Chairperson of the School may, in consultation with the head of department, approve a fixed limited extension of the period on the grounds of extraordinary circumstances.
- (c) **Research protocol**
After registration, a student is required to submit a complete research protocol regarding the proposed dissertation to the Academic Advisory Committee and if necessary, also to the Ethics Committee for approval.
- (d) **Fields of study**
The MSc degree is conferred in the following fields of study in the School of Health Systems and Public Health:

Field of study	Degree code	Module codes	Dissertation code
Biostatistics (Public Health)	10253110	See par. (e)	See par. (e)
Clinical Epidemiology	10253331	See par. (e.)	See par. (e)
Community Health	10253291	See par. (e)	See par. (e)
Epidemiology	10253321	See par. (e)	See par. (e)

(e) Curriculum

MSc in Epidemiology		
Module code	Module	Credits
HMS 871	Fundamental modules: Scientific writing 871	2
PHM 870	Learning in public health 870	5
TNM 800	Applied research methods 800	<u>5</u>
	Subtotal:	12
	Core modules for this specialisation:	
BOS 870	Biostatistics (Part 1) 870	10
BOS 871	Biostatistics (Part 2) 871	10
DEG 870	Principles of demography 870	5
EHM 872	Methods in exposure assessment 872	10
EPM 871	Epidemiological study design 871	5
EPM 874	Disease surveillance 874	5
HME 870	Introduction to health measurement 870	<u>10</u>
	Subtotal:	55
	Elective modules:	
BOS 873	Survival analysis 873	5
CDE 870	Principles of chronic disease epidemiology 870	5
EHM 871	Health risk assessment 871	10
EOM 870	Environmental epidemiology 870	10
EPM 870	Analytical epidemiology 870	5
EPM 873	Conducting surveys 873	15
HME 873	Monitoring and evaluation 873	15
QHR 870	Qualitative research methods 870	10
TQM 870	Principles of quality assurance 870	<u>10</u>
	Subtotal elective modules required:	15
	Minimum total coursework required:	80
EPI 890	Dissertation 890	100

MSc in Clinical Epidemiology		
Module code	Module	Credits
HMS 871	Fundamental modules: Scientific writing 871	2
PHM 870	Learning in public health 870	5
TNM 800	Applied research methods 800	<u>5</u>
	Subtotal:	12
	Core modules for this specialisation:	
BOS 870	Biostatistics (Part 1) 870	10
BOS 871	Biostatistics (Part 2) 871	10
CLI 870	Principles of clinical epidemiology 870	10
CLI 871	Evidence-based medicine 871	10
EPM 870	Analytical epidemiology 870	5
EPM 871	Epidemiological study design 871	5
HME 870	Introduction to health measurement 870	<u>10</u>
	Subtotal	60

BOS 873	Elective modules: Survival analysis 873	5
CDE 870	Principles of chronic disease epidemiology 870	5
EHM 871	Health risk assessment 871	10
EHM 872	Methods in exposure assessment 872	10
QHR 870	Qualitative reasearch methods 870	<u>10</u>
	Subtotal electives required:	10
	Minimum coursework required:	80
KEM 890	Dissertation 890	100

MSc in Community Health		
Module code	Module	Credits
	Fundamental modules:	
HMS 871	Scientific writing 871	2
PHM 870	Learning in public health 870	5
TNM 800	Applied research methods 800	<u>5</u>
	Subtotal:	12
	Core modules for this specialisation:	
BOS 870	Biostatistics (Part 1) 870	10
HME 870	Introduction to health measurement 870	10
QHR 870	Qualitative research methods 870	<u>10</u>
	Subtotal:	30
	Elective modules for students interested in monitoring and evaluation:	
BOS 871	Biostatistics (Part 2) 871	10
DEG 870	Principles of demography 870	5
EPM 873	Conducting surveys 873	15
EPM 874	Disease surveillance 874	5
HME 873	Monitoring and evaluation 873	<u>15</u>
		50
	Elective modules for students interested in Environmental Health:	
EHM 871	Health risk assessment 871	10
EHM 872	Methods in exposure assessment 872	10
EHM 873	Environmental endocrine disruption and health 873	5
EOH 871	Introduction to toxicology 871	5
EOM 870	Environmental epidemiology 870	10
EPM 871	Epidemiological study design 871	5
EPM 873	Conducting surveys 873	<u>15</u>
	Subtotal electives required:	40
	Minimum coursework required:	80
GGG 890	Dissertation 890	100

MSc in Biostatistics (Public Health)
Information on the content of this area of specialisation is available on request from the School of Health Systems and Public Health.

(f) **Pass requirements**

- (i) The minimum pass mark for a module is 50%.

- (ii) The prescribed modules must be passed independently of each other.
 - (iii) Second examinations in the modules are arranged by the head of department, within a period of time specified by him or her.
 - (iv) No second examinations will be granted in modules in which less than 40% has been obtained. Instead, the module must be repeated in its entirety.
 - (v) Only with the approval of the Chairperson of the School, on the recommendation of the head of department, will a student be allowed to continue his or her studies after having failed two modules (or the same module twice).
- (g) **Dissertation**
A dissertation on an approved research project must be passed in addition to the coursework. The stipulations of General Regulation G.57.3 regarding the preparation and submission of a dissertation apply; also the stipulations of General Regulation G.58 regarding the technical editing of the dissertation; and G.59 regarding the résumé of the dissertation.
A systematic literature review (Cochrane type) on an approved subject, which is undertaken in such a manner that bias is minimised, may be presented as an alternative to the **dissertation** for awarding the MSc in Clinical Epidemiology. It requires, inter alia, a research protocol with clearly formulated objectives and methods. Inclusion and exclusion methods for the study must be determined. Where applicable, the data must be summarised (meta analysis), with applicable statistical methods.
- (v) **Evaluation and degree with distinction**
The average mark of the modules, weighted in respect of the number of credits acquired for each individual module, will be the final mark (%) of the coursework. The degree is conferred with distinction on a student who obtains an average mark of at least 75% in the coursework, as well as a final mark of at least 75% for the dissertation.

P.3 Master of Medicine [MMed]

Regulations and curriculum

Please note:

All MMed students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily.

The MMed degree in the School of Health Systems and Public Health is conferred in the following field:

Public Health Medicine – [MMed (Public Health Medicine)]

- (a) **Requirements for admission**
A prospective student for the MMed degree programme must be in possession of the MBChB degree of this University, or a qualification deemed by the University to be equivalent to the MBChB degree, for at least two years. In addition, such a student must be registered as a physician with the Health Professions Council of South Africa for at least one year.
- (b) **Duration**
- (i) The training for the degree extends over four years in accordance with the requirements of the Department of Public Health Medicine.

- (ii) "Major subject" refers to the recognised field of study in Medicine in which the student specialises. The study of the major subject extends over four years, as prescribed by the Department of Public Health Medicine.
- (c) **Each student must prove to the University that he or she**
 - (i) has successfully filled the required full-time training post for a period of four years according to the requirements of the Department of Public Health Medicine.
 - (ii) has completed the theoretical and practical applicable training as stipulated in Reg. P.3 (b) above; and
 - (iii) has passed the prescribed written, oral and/or practical university examinations or equivalent primary Colleges of Medicine of South Africa examinations.
- (d) **Exemption**
 - (i) The Faculty Board may grant partial exemption from the training and work mentioned under par. (b) and (c)(i) and (ii) above on the grounds of comparable training and experience completed in another post or at another recognised institution – with the proviso that exemption from a maximum period of 18 months may be granted in the case of a four-year programme such as the MMed (Public Health Medicine) degree programme.
 - (ii) Exemption from a maximum of two years' Public Health Medicine training may be granted in the Department of Public Health Medicine in respect of the MMed(Public Health Medicine) degree, to a candidate already in possession of a Fellowship of the College of Public Health Medicine or a Fellowship of the College of Occupational Health Medicine of the Colleges of Medicine of South Africa. Such a candidate must have completed a period of at least 24 months of registrar training in Public Health Medicine or in Occupational Health Medicine that is recorded as such by the HPCSA.
- (e) **Curriculum**

The curriculum consists of the major subject, its prerequisites and a dissertation GGS 890:

 - (i) **Public Health Medicine (Code 10250372)**

Major subject: GGS 800 Public health medicine 800
 - (ii) Prerequisites: ASW 800 Health legislation, health policy and health systems (paper 1), social and behavioural science (paper 2) 800, EBD 800 Epidemiology, biostatistics and demography 800, ONO 800 Communicable and non-communicable health-related conditions 800. The prerequisites can be passed either at the University or as primary examinations at the Colleges of Medicine of South Africa.
 - (iii) GGS 890 Dissertation 890
A dissertation on an approved research project must be passed in addition to the major subject and prerequisites. The stipulations of General Regulation G.57.3 regarding the preparation and submission of a dissertation apply, also the stipulations of General Regulation G.58 regarding the technical editing of the dissertation and G.59 regarding the résumé of the dissertation.
- (f) **Examinations**
 - (i) The sequence of the examinations in the prerequisite subjects will be determined by the head of the department of Public Health Medicine.

- (ii) The final exit examination for the major subject will be conducted by the Colleges of Medicine of South Africa. Only candidates who have met all the requirements for the MMed(Public Health Medicine) degree except for the major subject, i.e. passed all prerequisite subjects, completed all applicable training as prescribed in Reg. P.3(c) and completed the required research component for the degree in accordance with the Faculty Yearbook regulations, i.e. TNM 800 and the dissertation (GGS 890) will be allowed to write the Colleges of Medicine of South Africa exit examination.
 - (iii) A minimum final mark of 50% is required to pass in a subject.
 - (iv) A student is not admitted to the examination in a prerequisite subject (second examinations excluded) more than twice, nor is he or she admitted to the examination in the major subject more than twice.
- (g) **Second examinations**
Second examinations in the prerequisite subjects will only be held after at least six months have elapsed since the conclusion of the examination in which the student had failed.
- (h) **Conferment of the degree/Degree with distinction**
The degree is conferred at the end of the prescribed training period, i.e. four years. The degree is conferred with distinction on a student who has obtained a final mark of at least 75% in his or her major subject.
- (i) **General**
Registrars in Public Health Medicine are expected to undergo rotational attachment to a number of designated health service organisations during their period of training.

**P.4 Master of Public Health [MPH]
(Code 10256501)**

Also consult General Regulations

- (a) **Admission requirements**
A candidate for admission to the study for the Master's degree in Public Health must be in possession of:
- a four-year bachelor's degree; plus at least two years' applicable practical (work) experience; or
 - an honours degree; or
 - a three-year bachelor's degree plus at least five years' applicable practical (work) experience.
- (b) **Registration as a special student in the Faculty in order to pass a status examination**
- (i) Candidates will be required to first register as a special student in the Faculty, in order to pass in a status examination, in the following instances:
- A three-year bachelor's degree with less than five years' applicable practical (work) experience; or
 - A four-year bachelor's degree with less than two years' applicable practical (work) experience; or
 - Any applicant in possession of an approved bachelor's degree, who the School's Selection Committee deems fit to register as a special student.
- NB:**
- In accordance with the criteria of the Senate of the University, the

applications for admission of all such candidates must, apart from any Faculty requirements, also be submitted to the University Senate for approval.

- All candidates accepted for postgraduate study (MPH or the Postgraduate Diplomas) must be in possession of a **National Senior Certificate with admission for degree purposes.**
- (ii) **Pass requirements for the status examination**
- At least 60% must be obtained in the status examination.
 - The status examination will be written in June.
- (iii) The application of a student who has passed the status examination must be submitted to the Senate of the University for approval. Successful students may then enrol for the degree programme in the following academic year.
- (c) **Other selection criteria**
(Each on a scale of one to five.)
- Academic merit
 - National/International need for public health
 - Under-represented groups in public health
 - Public health related employment
 - Track record – e.g. employment, academic, community-building, etc.
- (d) **Duration of programme**
- (i) Two years of full-time, or a maximum of four years part-time study.
- (ii) In exceptional cases the Dean, on the recommendation of the Chairperson: School of Health Systems and Public Health, may allow a student to complete the degree programme in one year.
- (e) **Curriculum and general information**
- (i) The MPH programme comprises the following three components:
- Core modules
 - Track modules (compulsory and elective)
 - Mini-dissertation
- (ii) **The credits are divided between the different components of the MPH as follows:**

MPH component	Credits	%
Core modules	65	32,5
Track modules (compulsory and elective)	70	35
Mini-dissertation	60	30
TNM 800	5	2,5
Total	200	100

(iii) **Core modules**

Module code	Module name	Credits
BOS 870	Biostatistics 870 (Week 1 and 2)*	10
CDC 870	Introduction to disease control 870	5
DEG 870	Principles of demography 870	5
EHM 870	Basis of environmental health 870	5
HCM 870	Introduction to health management 870 (Week 1 and 2*)	10
HET 870	Public health, ethics and human rights 870	5
HME 870	Introduction to health measurement 870 (Week 1 and 2*)	10

HMS 871	Scientific Writing 871	5
SCM 870	Social determinants of health and primary healthcare 870	5
PHM 870	Learning in public health 870	5
	Total	65

*Week 1 and 2 form one module of 10 credits, and cannot be taken separately.

(iv) **Track modules (compulsory and elective)**

The following areas are available:

- Biostatistics and epidemiology
- Biostatistics and epidemiology – Monitoring and evaluation
- Disease control
- Disease control – field Epidemiology and Laboratory Training programme
- Disease control – Public Health Laboratory programme
- Environmental and occupational health
- Environmental and occupational health – Occupational hygiene
- Health policy and management
- Health promotion

Information regarding the content of each track is available on the website of the School of Health Systems and Public Health (<http://shsph.up.ac.za>)

(f) **Mini-dissertation**

- (i) The MPH degree consists of coursework (70%) and a research component (30%). The mini-dissertation contributes 60 credits (the equivalent of 600 notional hours of learning according to SAQA criteria).
- (ii) The expected outcome of the mini-dissertation is that the student will be able to identify and investigate health and health systems problems in a comprehensive manner, and that he or she will be able to (i.e. begin to) formulate appropriate interventions.
- (iii) The student's research protocol is submitted for approval to the Academic Programme Committee (APC) of the School, prior to submission to the Health Sciences Research Ethics Committee.

(g) **Examinations and pass requirements**

(i) **Examination of modules**

- (aa) Each module has its individual (own) evaluation, which may consist of more than one mode of evaluation. **To pass in a module, a student must obtain a minimum pass mark of 50%.**
- (bb) If a student fails a module but obtains 40% to 49%, a second examination in the module in question must be written. The student must arrange with the lecturer who presents the module, in consultation with the Academic Programme Coordinator, in this regard.
- (cc) If a student fails a module but obtains a mark of less than 40%, the module must be repeated in full in the following year.
- (dd) If a core module is still not passed after two attempts, the student will not be allowed to continue with the MPH programme.
- (ee) A compulsory module in the student's track can only be repeated once. If it is not passed after the second attempt, the student will be requested to change the track. If the student fails after two attempts in the second track, he or she will not be allowed to continue with the MPH programme.

- (ff) If an elective module is failed after two attempts, the student will have to select another elective module.
- (ii) **Final examinations for the MPH**
 - (aa) Other than summarising the total of marks obtained for modules, the MPH has an additional evaluation of its coursework, consisting of two comprehensive examinations. The decision as to whether these examinations will be written or conducted orally, lies with the examiners.
 - (bb) The first examination will take place after completion of all the compulsory core modules and covers basic knowledge in Public Health. This examination will consist of two papers, each two hours long. Paper I will cover material learned during the core modules HME 870, DEG 870 and BOS 870. Paper II will cover material learned during the remaining core modules with the exception of material learned during the Scientific writing 871 module (HMS 871).
 - (cc) The second examination will take place at the end of the MPH programme and covers the modules taken as part of a track.
 - (dd) The minimum pass mark for each examination is 50% and for the first core examination a subminimum of 40% is required for each of the two papers. The final mark for the first core examination will be a simple average of the percentage marks obtained in each of the two constituent papers. If a student fails either of the examinations, he or she will be required to rewrite in the next examination period. If a student fails for the second time he/she may not continue with the MPH programme.
- (iii) **Examination of mini-dissertation**

The mini-dissertation must be passed independently with at least 50%.
- (h) **Concurrent registration for two study programmes**
 - (i) In accordance with the stipulations of General Regulation G.6, which is *mutatis mutandis* applicable in the case of postgraduate diploma study, the permission of the dean is required for concurrent registration, subject to the regulations applicable to the fields of study in question and to any other stipulations the dean may prescribe. Such a concession may be withdrawn by the dean if the student does not perform satisfactorily – all assignments and coursework must be completed on time. Concurrent registration will not be accepted as a reason for poor performance or not meeting deadlines for both study programmes.
 - (ii) In the case of registering concurrently for two study programmes in the School of Health Systems and Public Health and elsewhere, students must obtain the written consent of both the coordinator of their current programme and the coordinator of the second programme (or the track co-ordinator in the case of the MPH), and submit it with a substantiating letter to the School's Academic Programme Committee, for recommendation by the Chairperson of the School, after which the application is submitted to the Dean for approval.
 - (iii) The School of Health Systems and Public Health states that concurrent registration for two study programmes **is a privilege and not a right**. Concurrent registration must be applied for annually and is granted based on academic performance in the primary degree/diploma programme.
 - (iv) If the current field of study is a master's degree, then the second field of study can be a postgraduate diploma.

- (v) If the current field of study is a postgraduate diploma, then the second field of study can be another postgraduate diploma.
- (i) **Degree with distinction**
The degree will be conferred with distinction on a student who has a final mark of at least 75% for the mini-dissertation and an average of at least 75% for the combination of coursework and examinations.

P.5 Doctor of Philosophy [PhD]

Also consult General Regulations.

Please note: All PhD students must register for, and attend TNM 800 Applied research methodology 800 satisfactorily. (Exemption will be granted if Applied research methodology 800 had been passed for the master's degree.)

- (a) Subject to the stipulations of General Regulations G.45 and G.62, a candidate will only be admitted to the studies for the doctoral degree if he or she holds a MBChB or a master's degree or has been granted the equivalent status.
- (b) **A PhD student must**
 - (i) under the supervision of a supervisor at the University or another institution approved by the Senate, undertake original research to the satisfaction of the examiners; and
 - (ii) submit a thesis which will prove, according to the opinion of the examiners, that he or she has, on the grounds of independent critical judgement, made a distinct contribution towards the enrichment of knowledge in the chosen subject.
- (c) A student for the PhD degree must be registered for the doctoral degree study at the University for at least one academic year before the degree can be conferred.
- (d) The PhD degree is conferred by virtue of a thesis and, should the Dean deem it necessary, an examination on the field of study of the thesis.
- (e) A complete research protocol regarding the proposed thesis (as well as the curriculum vitae of the candidate) must be submitted to the Academic Advisory Committee and, if necessary, also to the Ethics Committee for approval. The thesis must deal with a problem from a field of study in Health Systems and Public Health and must satisfy the supervisor and the examiners that it represents advanced original research and/or creative work in the field of Health Systems and Public Health. It must give an overview of the literature that was used on the topic and contain a description of the observations made and experiments done by the student, as well as a discussion of the conclusions reached.
- (f) The doctoral examination will be oral and/or written and will deal with the content of the thesis as well as those subdivisions of the field of study on which the thesis is based, if requested.
- (g) The maximum period for completion of a doctoral degree is five years. Under exceptional circumstances, a student may apply to the head of the department, in writing, for a fixed, limited extension of this period.
- (h) The following additional requirements are set in respect of the PhD degree completed in the School of Health Systems and Public Health:

- (i) All PhD students in the School are required to register as a Health Sciences Special (Postgraduate) student for the first year. This will allow the student time to complete any additional coursework the head of department and/or supervisor may require to be completed and which is deemed applicable to the particular research field, and to prepare a pre-final research protocol.
 - (ii) A review will be done by a school committee and only students who have made adequate progress will be allowed to register as a PhD student in the following year.
- (i) The PhD degree can be obtained in the following fields of study in the School of Health Systems and Public Health:

Field of study	Degree code	Examination code	Thesis code
Community Health	10260401	GGG 900	GGG 990
Environmental Health	10260405	OGH 900	OGH 990
Epidemiology	10260404	EPI 900	EPI 990
Health Systems	10260402	GSL 900	GSL 990
Public Health	10260403	OGD 900	OGD 990

II. POSTGRADUATE DIPLOMAS

P.6

- A. **Postgraduate Diploma in Tropical Medicine and Health [DTM&H]
(Code 10220063)**
- B. **Postgraduate Diploma in Public Health [DPH]
(Code 10220093)**
- C. **Postgraduate Diploma in Public Health Medicine [DipPHM]
(Code 10220094)**
- D. **Postgraduate Diploma in Health Systems Management [DHSM]
(Code 10220073)**
- E. **Postgraduate Diploma in Occupational Medicine and Health [DOMH]
(Code 10220083)**
- F. **Postgraduate Diploma in Occupational Health [DipOH]
(Code 10220084)**
- G. **Postgraduate Diploma in Clinical Evidence and Healthcare [DipCEH] *
(Code 10220074)**

*This Diploma has been suspended. No new students were accepted for the 2011 intake and currently enrolled students will be required to complete the outstanding modules CLI 770 and CLI 771 in 2012.

Also consult General Regulations.

Requirements and regulations common to all these diplomas

(a) Requirements for admission

For admission to the Postgraduate Diplomas in Tropical Medicine and Health, Occupational Medicine and Health, and Public Health Medicine, the MBChB degree or an equivalent qualification with a completed internship of at least one year, plus professional (work) experience (post-internship) of at least one year that

is regarded as applicable by the Head of the Department of Public Health Medicine or the Chairperson of the School of Health Systems and Public Health, is required. For admission to the non-medical Postgraduate Diplomas in Health Systems Management and in Public Health, the following is required:

- A four-year bachelor's degree, plus at least two years' applicable work experience; **or**
- A three-year bachelor's degree plus at least five years' applicable work experience.

(b) **Duration**

The diploma programmes can only be taken on a part-time basis and the training will extend over at least two academic years, except for the DTM&H which will extend over at least one academic year. Students may, with the approval of the Head of the Department of Public Health Medicine or the Chairperson of the School of Health Systems and Public Health, register simultaneously for Part I and Part II of a diploma which extends over two academic years.

(c) **Registration as a special student in the Faculty in order to pass a status examination**

The stipulations of Reg. P.4(b)(i) (with relevant footnote), and (ii)-(iii) apply *mutatis mutandis* to the postgraduate diplomas in question.

(d) **Other selection criteria**

The stipulations of Reg. P.4(c) apply *mutatis mutandis* to the postgraduate diplomas in question.

(e) **Concurrent registration for two study programmes**

The stipulations of Reg. P.4(h)(i)-(v) apply *mutatis mutandis* to the postgraduate diplomas in question.

(f) **Curriculum**

A curriculum comprises prescribed modules and/or a research report compiled in conjunction with the head of department or Chairperson of the School. Details regarding the curriculum and syllabuses are published in a brochure which is available on request from the department or School.

(g) **Examinations**

Students must attend all lectures and practical classes to the satisfaction of the head of department or the Chairperson of the School before they will be admitted to the examinations. Written, oral and/or practical examinations must be passed in all the modules.

(h) **Pass requirements**

- (i) The minimum pass mark for prescribed modules is 50%.
- (ii) Only with the approval of the Chairperson of the School, on the recommendation of the head of department, will a student be allowed to continue his or her studies after having failed two modules (or the same module twice).
- (iii) A second examination in a module is arranged in conjunction with the head of department.

(i) **Diploma with distinction**

A diploma is awarded with distinction to a student who has obtained an average of at least 75% in all the modules.

SCHOOL OF MEDICINE

DEGREES AND POSTGRADUATE DIPLOMAS IN MEDICINE
--

I. UNDERGRADUATE AND POSTGRADUATE DEGREES
--

M.1 Bachelor of Medicine and Surgery [MBChB] (Code 10130001)

Also consult General Regulations.

Note:

1. A National Senior Certificate with admission for degree purposes is required, with Mathematics, Physical Science, English (at Home Language level or First Additional Language level) and another language (at Home Language level or First Additional Language level) with minimum pass marks in these subjects as required according to the different categories of the selection procedure.
2. A selection of candidates takes place (consult General Information).
3. Each student in Medicine must apply to the Registrar of the Health Professions Council of South Africa for registration as a student in Medicine, immediately after admission to the first year of study.
4. After obtaining the degree, a student must register with the Health Professions Council of South Africa as an intern, and complete at least one year of training at an institution approved by the abovementioned Council for this purpose. (Students who qualify after July 2006, will have a compulsory two-year internship.) After this, he or she must register with the Council as a physician and complete one year of community service before he or she may work in private practice.
5. Total number of credits required for degree purposes (AIM and EOT modules excluded):

▪ Fundamental modules:	246
▪ Core modules:	905
▪ Elective modules:	59
Total:	1 210

(a) Duration and programme design

Six years of full-time study. The integrated outcomes-based problem-oriented programme consists of theoretical blocks, special activities (SAs) and clinical rotations. During the final 18 months, referred to as the Student Intern Complex (SIC), all the programme activities take place in the clinical settings.

(b) Passing a block/special activity in the MBChB degree programme

- (i) A **block mark** is calculated from the continuous evaluation opportunities during the course of the presentation of the block or special activity in question. These evaluations shall include one or more of the following:
 - (aa) Evaluations regarding theoretical knowledge.
 - (bb) Evaluations regarding clinical knowledge and skills.
 - (cc) Compulsory attendance of, and active participation in prescribed activities.
 - (dd) A final comprehensive block test moderated by external examiners.
- (ii) Students may exercise the option to have the block mark at the **end of the year** validated as the **final block mark** for the block in question (i.e. they are exempted from the block examination for this block), provided that they

comply with the following requirements:

- (aa) The abovementioned block mark is more than 60%.
 - (bb) Proven attendance of all applicable block-specific activities, namely:
 - All tests/continuous evaluations.
 - All practicals and morning ward-round activities.
 - All relevant skills laboratory activities.
 - All relevant community-based education activities.
 - All clinical rotations.
 - (cc) A pass mark in the clinical rotation test.
 - (dd) Attendance of the block in question from day 1.
 - (ee) No conviction by the Faculty Preliminary Disciplinary Committee (Student offences), of any form of dishonesty or fraud.
- (iii) A **block examination** is granted to all registered students regardless of the block mark.
 - (iv) The **final block mark** is calculated from the block examination mark and the block mark (continuous evaluation) in a 50:50 or 60:40 ratio, depending on the year of study and/or block-specific regulations. The formula according to which the final block mark is calculated will be set out in the block book (study guide) and communicated to students at the commencement of the programme.
 - (v) **In order to pass** in a block/special activity in which a clinical component is included, a **subminimum of 50% is required for the block examination mark**, implying that a student who obtains a block mark of more than 50% and a block examination mark of less than 50%, with a final block mark of more than 50%, fails the block and will thus be admitted to a second examination.
 - (vi) Regarding the **Longitudinal Clinic Attachment Programme (L-CAS activities)** of an academic year (module code LCP 180, 280, 380, 480 and 580), students must hand in a portfolio at the end of the academic year which will be assessed. Satisfactory attendance will furthermore be required regarding this module to pass the year.
 - (vii) A **second examination** in a block will be granted to all students who fail the block.
 - (viii) As a rule, the **second examination** in question will take place in November/December of the same year, or in January of the following year. However, this regulation is not applicable to the end of the first semester of MBChB V (refer par (o) (iii)). A minimum of 50% is required in order to pass in the second examination.
 - (ix) An **aegrotat or extraordinary examination** granted to a student who could not participate in the block examination due to illness or other acceptable reasons, will take place during the second examination period. Students must apply formally for such an examination, and admission to the examination is approved by the Chairperson of the School or his/her authorised person. Where applicable, the Chairperson of the School may first require a recommendation from the Faculty Health Committee before approving an application for admission to an aegrotat.
- All modalities of a final examination must be completed jointly as an aegrotat or an extraordinary examination, even if part of it has already been completed as part of the examination sat in the previous examination period. The final block mark is calculated from the marks of all the divisions/modalities of the aegrotat or extraordinary examination and the block mark in question (continuous evaluation mark).**

The same criteria set for a final mark in a block, are applicable in this case.

Note: No special **dates** will be arranged for an aegrotat/extraordinary examination. These examinations will only take place on the scheduled dates for regular first/second examinations.

- (x) Aegrotat/extraordinary **tests** are not allowed for the MBChB degree programme. Students who have acceptable reasons for being absent from tests, will of course have no block mark, and a pass in the block(s) will depend totally upon the block examination mark.
- (c) **Repeating blocks and/or special activities (and thus the year of study) in the MBChB degree programme**

A student who has failed one or more blocks and/or special activities in a year of study, must repeat the year of study. However, such a student will be exempted from the blocks and/or special activities passed in the previous (failed) year.

The Examination Moderating Meeting and/or the Chairperson of the School of Medicine, reserves the right to only award a pass mark to the said blocks and/or special activities should the student comply with the following requirements in respect of the blocks and/or special activities in question:

- That the mark awarded to the said block or special activity was not awarded on the grounds of condonement.

That the student's attendance of the said block and/or special activity was satisfactory, that he or she participated in all other activities and complied with all other requirements.

- (d) **Examinations and pass requirements**

In accordance with the stipulations of General Regulation G.10(2), no minimum year or semester mark is required for admission to the examination: Provided that the different year and semester modules in a School need not be handled in the same manner, although a considerable degree of uniformity is advisable.

The stipulation that students be admitted to the examination without reservation, is supported. A **final block mark** in the relevant module is, however, calculated from the block examination mark **as well as** the block mark compiled from **continuous evaluation** during the presentation of the module (i.e. the semester, year, module or block mark). The latter is calculated from the marks obtained in one or more of the undermentioned:

- Evaluations of theoretical knowledge.
- Evaluations of clinical knowledge and skills.
- Compulsory attendance of and participation in prescribed activities.

The contribution of each modality in the calculation of the abovementioned mark is set out in the regulations and published in the study guides. The details are explained in detail to the students concerned before commencement of the modules. Likewise, also the weight allocated to the abovementioned marks and the various examination marks when calculating the final block mark awarded to the student, which varies between 50:50 and 40:60 according to the field of study, year of study and programme-specific compilation.

The importance of continuous evaluation in the assessment of students is non-negotiable, and therefore the marks awarded in these type of evaluations will form part of the final pass mark of all modules/subjects.

The pass mark for essays is at least 50%. The stipulations of General Regulation G.60.2.1.2(a) regarding requirements for dissertations apply *mutatis mutandis* to essays.

For requirements regarding the abovementioned, consult Reg. M.1(b), as well as the study manual of a given block.

(e) **Academic exclusion from further study**

- (i) In accordance with the stipulations of General Regulation G.3.2(b), re-registration of a student is permitted only if the student completes the degree programme for which he or she is registered within the prescribed minimum period of study plus two years.
- (ii) In the case of the MBChB degree offered by the School of Medicine, a student who fails a year of study for a second time, must apply, in writing, to the Readmission Committee of the School chaired by the Chairperson of the School, for readmission to the programme.
- (iii) The Committee in question will take all factors into consideration and its decision and conditions will be final.

(f) **First year of study**(i) **Curriculum**

First semester		Module code	Credits
	Fundamental modules		
CMY	Chemistry 151***	CMY 151	16
FIL	Science and world views 155	FIL 155	6
MGW	People and their environment 112	MGW 112	6
MLB	Molecular and cell biology 111***	MLB 111	16
MTL	Medical terminology 180	MTL 180	6
PHY	General physics 131***	PHY 131	16
AIM	Academic information management 101*	AIM 101	6
EOT	Academic literacy 110**	EOT 110	6
Total credits per semester (AIM and EOT modules excluded):			66

*Consult foregoing par. 5 under GENERAL ACADEMIC INFORMATION in this publication.

**Consult foregoing par. 4 under GENERAL ACADEMIC INFORMATION in this publication.

***Consult foregoing par. 1.2 under GENERAL ACADEMIC INFORMATION in this publication, for the minimum achievement required in certain matriculation subjects in the final Grade 12 examination, with a view to admission to these modules.

NB:

The first semester of the syllabus for the year module PHY 181, is identical to that of PHY 131 mentioned above.

(ii) **Failed candidates/Admission to the second semester of MBChB I**

Selected first-year students, who have passed in sufficient prescribed first-semester modules at 100 level will, in accordance with the stipulations of General Regulation G.3, automatically be admitted to the second semester of the first year of study.

During the second semester, the students may be admitted to an examination on an anti-semester basis in the first-semester modules still outstanding, if this can be accommodated in the timetables.

In the School of Medicine, a student may not repeat first-semester modules comprising more than 8 lectures per week on an anti-semester basis in the second semester.

Second semester		Module code	Credits
	Fundamental modules		
Block 1	Molecule to organism 121	BOK 121	40
SA 1	Orientation 120	GNK 120	5

SA 3	People and their environment 127	GNK 127	10
SA 14	Introduction to clinical pharmacotherapy 128	GNK 128	10
EOT	Academic literacy 120*	EOT 120	6
LCP	Longitudinal clinic attachment programme 180	LCP 180	-
SSM	Elective module Special study module 121 (Linked with BOK 121)	SMO 121	5
Total credits per semester (EOT module excluded):			70
Total credits first year of study (AIM and EOT modules excluded):			136

*Consult foregoing par. 4 under GENERAL ACADEMIC INFORMATION in this publication.

(iii) **Block examinations and second examinations**

Consult Reg. M.1(b).

(iv) **Failed candidates/Admission to MBChB II**

(aa) A student must pass all the modules prescribed for MBChB I, for admission to MBChB II.

(bb) Students who take the maximum allowable number of first-semester modules on an anti-semester basis in the second semester, must pass a second examination in the modules in question prior to commencement of the second year of study. Should a student pass in these modules, the fact that the modules were failed in the first semester, will not affect his or her admission to MBChB II.

(cc) None of the second-semester blocks and special activities of MBChB I are presented on an anti-semester basis.

(dd) ALL students who fail the first year of study for the MBChB degree, forfeit their selection and must apply, in writing, for readmission to the MBChB degree programme. Also consult Reg.M.1(c) regarding students who fail certain blocks in a year and therefore the year of study.

(g) **Admission to the second year of study**

A student must pass all the modules prescribed for the first year of study before admission to the second year of study.

(h) **Second year of study**

(i) **Curriculum**

First semester		Module code	Credits
Fundamental modules			
Block 2	People and their environment 284	BOK 284	31
Block 3	Homeostasis 280	BOK 280	42
SA 4	Anatomy (Dissection) 288	GNK 288	37
GPS	Generic procedural skills 280	GPS 280	2
LCP	Longitudinal clinic attachment programme 280	LCP 280	-
SSM	Elective module Special study module 211	SMO 211	3
Total credits per semester:			115

Important:

Students have three assessment opportunities, namely a block test, first examination and second examination in order to pass (GPS) Generic procedural skills 280. Although a student will not be held back if GPS 280 is failed, the module in question **must** be passed by the end of the first semester of the third year of study, failing which the student **will** be held back in the third year of study.

Second semester		Module code	Credits
LCP	Fundamental module Longitudinal clinic attachment programme 280	LCP 280	-
Block 4	Core modules Pathological conditions 285	BOK 285	22
	Infectious diseases 287	BOK 287	23
SA 5	Introduction to clinical medicine 283	GNK 283	10
SA 9	Basic emergency care 286	GNK 286	5
SSM	Elective module Special study module 281 (Linked with BOK 285 and 287)	SMO 281	5
Total credits per semester:			65
Total credits second year of study:			180

(ii) **Block examinations and second examinations**

Consult Reg. M.1(b).

(iii) **Failed candidates/Admission to MBChB III**

(aa) Students must pass in all the prescribed modules for MBChB II for admission to MBChB III.

(bb) Students who fail **one block**, may repeat the MBChB II year* without forfeiting his/her selection.

(cc) Students who fail **two blocks**, but who have not failed a block before, may repeat the MBChB II year*, without forfeiting his/her selection.

(dd) Students who fail **three or more blocks**, are automatically excluded from the programme.

(ee) Students who have failed MBChB I and subsequently also MBChB II (notwithstanding the number of blocks involved), are automatically excluded from the programme.

(ff) Students who are excluded from the programme, will again be subjected to selection with a view to readmission to MBChB II.

*Consult Reg. M.1(c) regarding students who fail certain blocks and therefore have to repeat the year of study.

(i) **Admission to the third year of study**

A student must pass all the modules prescribed for the second year of study for admission to the third year of study.

(j) **Third year of study**(i) **Curriculum**

First semester		Module code	Credits
	Fundamental modules		
GPS	Generic prosedural skills 380	GPS 380	5

LCP	Longitudinal clinic attachment programme 380	LCP 380	-
Block 6 Block 7 Block 8 SA 12	Core modules Heart and blood vessels 381 Lungs and chest 383 Abdomen and mamma 380 Haematological malignancies 386	GNK 381 GNK 383 BOK 380 GNK 386	25 20 50 5
SSM SSM	Elective modules Special study module 311 Special study module 380 (Linked with BOK 380)	SMO 311 SMO 380	5 5
Total credits per semester:			115
Second semester		Module code	Credits
LCP	Fundamental module Longitudinal clinic attachment programme 380	LCP 380	-
Block 9 SA 10	Core modules Pregnancy and neonatology 382 Elective 488	BOK 382 GNK 488	55 23
SSM	Elective module Special study module 382 (Linked with BOK 382)	SMO 382	5
Total credits per semester:			83
Total credits third year:			198

(ii) **Block examinations and second examinations**

Consult Reg. M.1.(b).

(iii) **Failed candidate**

A student who fails any given block (i.e. examination modules), fails and will be required to repeat the third year of study. Consult also Reg.M.1(c) regarding students who fail some blocks, and thus the year of study.

(k) **Admission to the fourth year of study:**

A student must pass all the modules prescribed for the third year of study for admission to the fourth year of study. Consult also Reg. M.1(c) regarding students who fail certain blocks in a year, and therefore the year of study.

(l) **Fourth year of study**(i) **Curriculum**

First and second semester		Module code	Credits
LCP	Fundamental module Longitudinal clinic attachment programme 480	LCP 480	-
Block 10 Block 11	Core modules Disorders of childhood 481 Paediatrics morning rotation Genital and urinary tract diseases 480 Gynaecology morning rotation Internal medicine morning rotation Urology morning rotation	GNK 481 BOK 480	31 62

Block 12	Head and neck 485 Otorhinolaryngology morning rotation	GNK 485	33
Block 13	Ophthalmology morning rotation Nervous system 482	BOK 482	28
Block 14	Neurology morning rotation Musculoskeletal conditions 483	GNK 483	28
SA 7	Orthopaedics morning rotation Endocrinology 484	GNK 484	6
SA 8	Ageing 486	GNK 486	8
SA 11	Skin 487*	GNK 487	5
	Elective modules		
SA 6	Preceptorship 385	GNK 385	10
SSM	Special study module 411	SMO 411	2
Total credits fourth year:			211

*SA 11 (GNK 487) Skin 487 is preceded by one study week named SA 11a in the 4th year, 2nd semester.

Note: Marks obtained in the morning rotations are taken into account with the relevant block marks.

(ii) **Block examinations and second examinations**

As set out in Reg. M. 1(b).

(iii) **Failed candidates**

A student who fails any given block (i.e. examination modules), fails and will be required to repeat the fourth year of study. Consult also Reg. M.1(c) regarding students who fail some blocks, and thus the year of study.

(m) **Admission to the fifth year of study:**

A student must pass all the modules prescribed for the fourth year of study for admission to the fifth year of study.

(n) **Fifth year of study**

(i) **Curriculum**

First semester	Module code	Credits
	Fundamental module	
	Longitudinal clinic attachment programme 580	LCP 580
		-
	Core modules	
Block 15	Psychiatry and social dysfunction 581	GNK 581
	Psychiatry morning rotation	
Block 16	Health and healthcare 582	GNK 582
	Family medicine morning rotation	
SA 15	Forensic medicine morning rotation 587	GNK 587
		4
Block 17	Traumatology 583	GNK 583
	Surgery morning rotation	
Block 18	Pharmacotherapy 585*	GNK 585
	Anaesthesiology 586	GNK 586
	Anaesthesiology morning rotation	
		7
		13

	Elective modules		
SSM	Special study module 511	SMO 511	2
SSM	Special study module 512	SMO 512	2
Total credits first semester fifth year:			114

*Block 18 (GNK 585) Pharmacotherapy 585 is preceded by two study weeks, namely Block 18a in the 2nd year, 2nd semester and Block 18b in the 4th year, 2nd semester.

Note: Marks obtained in the morning rotations are taken into account with the relevant block marks.

Second semester

Consult par. (o) regarding the commencement of the Student Intern Complex (SIC) at the beginning of the second semester of the fifth year of study.

(ii) **Block examinations and second examinations**

Consult par. (iii) below.

(iii) **Failed candidates**

- (aa) At the end of the first semester of the fifth year of study, students will sit examinations in each block in which they have not been promoted. A second examination will take place immediately after commencement of the SIC. Successful students obtain SIC status and may continue with the SIC.
- (bb) Students who fail the examination as well as the second examination in one block or more (and therefore fail the semester) may not continue with the SIC but participate in a remedial programme, which will take place during the first seven weeks of the second semester.
- (cc) A second examination will be granted in the outstanding blocks at the end of the seven-week period.
- (dd) Unsuccessful completion of the morning rotations during the first semester of the fifth year of study prevents a student from promoting the relevant block(s) and examination will become compulsory.
- (ee) If the students pass in the second examination, they may join the SIC as from the second seven-week rotation period.
- (ff) If a student again fails the second examination, the rest of the year of study will be used as remediation. In January of the subsequent year, students may commence provisionally with the SIC, but will have to interrupt the SIC for the duration of the unsuccessful block when it is presented in the first semester. Students will then have to repeat the block. Successful students then continue with the SIC.
- (o) **Admission to the Student Intern Complex (SIC):**
Second half of the fifth year of study, and the sixth year of study
- (i) For admission to the SIC, a student is required to pass in all the examination modules and morning rotations of the first semester of the fifth year of study.
- (ii) **Rotations and end-of-rotations examinations (first examinations) and end-of-semester examinations (second examinations)**
- (aa) Training in the SIC extends over 18 months. Rotations take place over a period of 63 weeks in three semesters.
- (bb) All students who are involved, will enjoy the same rank of seniority and will be known as **student interns**; i.e. no differentiation will in this case be made between the status of the fifth-year and sixth-year student concerned.

- (cc) A rotation extends over seven weeks, and every three rotations are grouped together in a logical manner in the three semester divisions of the SIC.
- (dd) The semester rotations are divided as follows:

Student Intern Complex (SIC) (18 months)

SIC	Semester (a): Surgery and related disciplines and Family Medicine	Module code	Credits
	Core modules		
	(i) Surgery (7 weeks) - General surgery - Vascular surgery - Plastic surgery - Paediatric surgery - Cardiothoracic surgery	GNK 680	52
	(ii) Surgery-related subdisciplines (3 weeks) - Neurosurgery (1 week) - Urology (2 weeks)	GNK 690	11
	(iii) Anaesthesiology and Family Medicine (7 weeks) - Anaesthesiology (3½ weeks) - Family medicine (3½ weeks)	GNK 682 GNK 691	20 20
	(iv) Orthopaedics (3 weeks)	GNK 681	17
Total credits per semester:			120

SIC	Semester (b): Internal medicine and related sub-disciplines and psychiatry	Module code	Credits
	Core modules		
	(v) Internal medicine (7 weeks)	GNK 683	45
	(vi) Internal medicine-related subdisciplines (3½ weeks)	GNK 684	20
	(vii) Surgery (7 weeks) - Dermatology - Haematology - Cardiology		15
	(viii) Psychiatry (7 weeks)	GNK 685	40
	(ix) Neurology (3½ weeks)		
Total credits per semester:			120

SIC	Semester (c): Women's and children's health and community-based education	Module code	Credits
	Core modules		
	(x) Obstetrics and gynaecology (7 weeks)	GNK 686	40 40
	(xi) Paediatrics (7 weeks)	GNK 687	20
	(xii) Community obstetrics (3½ weeks)	GNK 692	20

	(xiii) Community-based education (3½ weeks)	GNK 688	
Total credits per semester:			120
SA 13	Special activity: Diagnostic laboratory medicine	Module code	Credits
	Core module Diagnostic laboratory medicine (2 weeks) - Image-forming medicine - Evidence-based medicine - Bioethics (2 days)*	GNK 689	11
Total credits GNK 689:			11
Total credits Student Intern Complex:			371

*SA13 Diagnostic laboratory medicine is followed by two study days, namely SA13a in the 6th year, 2nd semester.

(ee) End-of-rotation examinations are held at the end of every seven-week rotation. Students who obtain a final mark of at least 60%, are promoted in the rotation and need not sit the end-of-semester examination in that rotation.

- In the first semester, this examination will be held three times (22-23 students in the first semester of their sixth year of study).
- In the second semester, this examination will also be held three times (approximately 45 students), i.e. students in the second semester of both the fifth and the sixth year of study.

(ff) End-of-semester examinations are held in the relevant rotations of the semester of a SIC in which students have performed unsatisfactorily (i.e. less than 60%).

Students who fail these examinations, will not be admitted to the rotations of the subsequent semester and will be required to repeat and pass the unsuccessful rotation(s). (Further details in this regard appear in par. (p))

(gg) During the first semester of the sixth year of study, two lecturing periods of two weeks each will be devoted to the following:

GNK 689: Diagnostic laboratory medicine
Image-forming medicine
Evidence-based medicine
Bioethics

(p) **Rotation(s) failed or not promoted in**

- (i) A student intern who fails a seven-week rotation or rotations for the first time (i.e. the end-of-rotation examination) or is not promoted in the rotation(s) in question, sits the end-of-semester examination in the rotation(s) in question. If successful in the second examination, he or she continues with the rotations of the following semester. If unsuccessful, the relevant rotation(s) must be repeated at the first opportunity in the next semester. The nature of such repetition must be regarded as remedial and it ends with the next end-of-rotation examination.
- (ii) The end-of-rotation examination for such student interns serves as the next official examination and must, as such, be monitored by external examiners. A pass mark of at least 50% is required.
- (iii) Student interns who pass the end-of-rotation examination, continue with the next "semester rotations" and may rejoin their original group for the duration

of the rest of the SIC. The third rotation of the semester will then again be out of phase.

- (iv) Student interns who fail the end-of-rotation examination again (i.e. first examination), routinely continue with the next rotations or semester activity as applicable according to the number of rotations failed. Such student interns will complete the unsuccessful rotations at the end of the training period, after all other rotations have been passed.
 - (v) The sixth year of study may be failed twice, provided that no previous year has been failed. This means that there is a total of seven semesters available for the sixth year of study to a student intern who has not failed any previous year of study.
- (q) **Degree with distinction**
The degree is conferred with distinction on a student who has obtained an average of at least 75% in the Student Intern Complex rotations.

M.2 Bachelor of Science in Medical Sciences [BSc (Medical Sciences)]

Note:

As from 2004, the BSc (Medical Sciences) degree programme was transferred to the Faculty of Natural and Agricultural Sciences. The subjects Anatomy and Physiology are, however, still presented by the Faculty of Health Sciences.

M.2A Bachelor of Clinical Medical Practice [BClinical Medical Practice] (Code 10130011)

Also consult General Regulations.

Note:

- A selection of candidates takes place (see General Information).
- Each student must apply to the Registrar of the Health Professions Council of South Africa for registration as a student in Clinical Medical Practice, immediately after admission to the first year of study.
- After obtaining the degree, graduates must also register with the Health Professions Council of South Africa.

1. Requirements for admission

A National Senior Certificate with admission for degree purposes, with English and another language and Mathematics, as well as three other subjects all passed with at least a rating of 4 (50%-59%).

2. Duration and programme design

Three years of full-time study. The integrated outcomes-based, problem-oriented degree programme consists of theoretical modules and clinical rotations.

3. Passing a module in the BClinical Medical Practice degree programme

- (i) A **module mark** is calculated from the continuous evaluation opportunities during the course of the presentation of the module in question. These evaluations shall include one or more of the following:
 - (aa) Evaluations regarding theoretical knowledge.
 - (bb) Evaluations regarding clinical knowledge and skills.
 - (cc) Compulsory attendance at and active participation in prescribed activities.

- (dd) Compulsory attendance at all academic support activities for the first two years of study.
- (ii) Students may exercise the option to have the module mark at the **end of the year** validated as the **final module mark** for the module in question (i.e. they are exempted from the module examination for this module), provided that they comply with the following requirements:
 - (aa) The abovementioned module mark is more than 60% in all the different module assessments.
 - (bb) Proven attendance at all applicable module-specific activities, namely:
 - All tests/continuous evaluations.
 - All practicals and morning ward-round activities.
 - All relevant skills laboratory activities.
 - All relevant community-based education activities.
 - All clinical rotations.
 - (cc) A pass mark in the clinical rotation test.
 - (dd) Attendance at the module in question from day 1.
 - (ee) No conviction by the Faculty Preliminary Disciplinary Committee (Student offences) of any form of dishonesty or fraud.
- (iii) A **module examination** is granted to all registered students regardless of the module mark, subject to adequate attendance at and active participation in prescribed clinical activities as set out in Reg. M.2A.4.
- (iv) The **final module mark** is calculated from the module examination mark and the module mark (continuous evaluation) in a 50:50 ratio, depending on the year of study and/or module-specific regulations. The formula according to which the final module mark is calculated will be set out in the study guide and communicated to students at the commencement of the programme.
- (v) **In order to pass** in a module in which a clinical component is included, a **subminimum of 50% in the clinical component** of the module examination is required.
- (vi) A **second examination** in a module will be granted to all students who fail the module in question.
- (vii) As a rule, the **second examination** in question will take place in November/December of the same year, or in January of the following year. A minimum of 50% is required in order to pass in the second examination.
- (viii) An **aegrotat or extraordinary examination** granted to a student who could not participate in the module examination due to illness or other acceptable reasons, will take place during the second examination period. Students must apply formally for such an examination, and admission to the examination is approved by the Chairperson of the School or his/her authorised representative. Where applicable, the Chairperson of the School may first require a recommendation from the Faculty Health Committee before approving an application for admission to an aegrotat.

All modalities of a final examination must be completed jointly as an aegrotat or an extraordinary examination, even if part of it has already been completed as part of the examination sat in the previous examination period. The **final module mark** is calculated from the marks of all the divisions/modalities of the aegrotat or extraordinary examination and the module mark in question (continuous evaluation mark). The same criteria set for a final mark in a module, are applicable in this case.

Note: No special **dates** will be arranged for an aegrotat/extraordinary examination. These examinations will only take place on the scheduled dates for regular first/second examinations.

- (ix) Aegrotat/extraordinary **tests** are not allowed for the BClinical Medical Practice degree programme. However, students who have acceptable reasons for being absent from no more than one test will have a module mark calculated from the other continuous assessment opportunities. Students who have acceptable reasons for being absent from more than one test will, of course, have no module mark, and a pass in the module(s) will depend totally upon the module examination mark.

4. **Examinations and pass requirements**

In accordance with the stipulations of General Regulation G.10(2), no minimum year or semester mark is required for admission to the examination. Adequate attendance at (more than 90%) and active participation in prescribed clinical activities as recorded in the clinical logbook are required for admission to the examination. A **final module mark** in the relevant module is, however, calculated from the module examination mark **as well as** the module mark compiled from **continuous evaluation** during the presentation of the module (i.e. the semester, year or module mark). The latter is calculated from the marks obtained in one or more of the undermentioned:

- (i) Evaluations of theoretical knowledge.
- (ii) Evaluations of clinical knowledge and skills.
- (iii) Compulsory attendance at and participation in prescribed activities.
- (iv) Compulsory attendance at all academic support activities for the first two years of study.

The contribution of each modality in the calculation of the abovementioned mark is set out in the regulations and published in the study guides. The details are explained in detail to the students concerned before commencement of the modules. Likewise, also the weight (50:50) allocated to the abovementioned marks and the various examination marks when calculating the final module mark awarded to the student. The importance of continuous evaluation in the assessment of students is non-negotiable, and therefore the marks awarded in this type of evaluations will form part of the final pass mark of all modules.

5. **Academic exclusion from further study**

- (i) In accordance with the stipulations of General Regulation G.3.2(b), re-registration of a student is permitted only if the student completes the degree programme for which he or she is registered within the prescribed minimum period of study plus two years.
- (ii) In the case of the BClinical Medical Practice degree offered by the School of Medicine, a student who fails a year of study for a second time must apply, in writing, to the Readmission Committee of the School, chaired by the chairperson of the School, for readmission to the programme.
- (iii) The committee in question will take all factors into consideration and its decision and conditions will be final.

6. **Curriculum**

(a) **First year of study**

(i) **First semester**

Modules	Module code	Credits per module
Fundamental modules:		
Academic information management 101*	AIM 101	6
Academic literacy 110**	EOT 110	6

Medical terminology 180 Core modules: Clinical medical practice 181 Anatomy 185 Physiology 185 Clinical rotations***	MTL 180 CMP 181 ANA 185 FSG 185	4 13 21 12
Total credits per semester (AIM and EOT modules excluded):		50

*Consult foregoing par. 5 under GENERAL ACADEMIC INFORMATION in this publication.

**Consult foregoing par. 4 under GENERAL ACADEMIC INFORMATION in this publication.

***Marks obtained in the clinical rotations are taken into account when calculating the relevant module marks.

- (i) **Module examinations and second examinations**
As set out in Reg. M.2.A.3.
- (ii) **Failed candidates/Admission to the second semester of the first year of study**
Selected first-year students, who have passed in sufficient prescribed first-semester modules at 100 level will, in accordance with the stipulations of General Regulation G.3, automatically be admitted to the second semester of the first year of study.

(ii) **Second semester**

Modules	Module code	Credits per module
Fundamental module Academic literacy 120 *	EOT 120	6
Core modules Clinical medical practice 182 Pharmacology 180 Clinical rotations**	CMP 182 FAR 180	56 2
Total credits per semester (AIM & EOT modules excluded):		58
Total credits first year of study (AIM & EOT modules excluded)		108

*Consult foregoing par. 4 under GENERAL ACADEMIC INFORMATION in this publication.

**Marks obtained in the clinical rotations are taken into account when calculating the relevant module marks.

- (i) **Module examinations and second examinations**
As set out in Reg. M.2A.(3).
- (ii) **Failed candidates/Admission to the second year of study**
 - (a) First-year students who have passed all prescribed core modules at 100 level will, in accordance with the stipulations of General Regulation G.3, automatically be admitted to the second year of study.
 - (b) A student who has failed any one or more of the 100-level core modules will have to repeat those modules failed before he/she will be admitted to the second year of study.

- (c) Also consult Reg. M.2A.5(ii) in respect of a student for the BClinical Medical Practice degree, who fails a year of study for a second time.

(b) **Second year of study**

(i) **First semester**

Modules	Module code	Prerequisite	Credits per module
Clinical medical practice 281: Cardiovascular system Respiratory system Gastrointestinal system Reticulo-endothelial system Clinical rotations*	CMP 281	CMP 181, 182	68
Total credits per semester:			68

*Marks obtained in clinical rotations are taken into account when calculating the relevant module marks.

(i) **Module examinations and second examinations**⁶⁸

As set out in Reg. M.2A.3.

(i) **Failed candidates/Admission to the second semester of the second year of study**

Second-year students who have passed in sufficient prescribed first-semester modules at 200 level will, in accordance with the stipulations of General Regulation G.3, automatically be admitted to the second semester of the second year of study.

(ii) **Second semester**

Modules	Module code	Prerequisite	Credits per module
Clinical medical practice 282: Head and neck Eyes, ears, mouth, nose and throat Musculoskeletal system Neurological system Genito-urinary system Skin, endocrine system Pharmacology 280 Clinical rotations*	CMP 282	CMP 281	68
	FAR 280	FAR 180	2
Total credits per semester:			70
Total credits second year of study:			138

*Marks obtained in the clinical rotations are taken into account when calculating the relevant module marks.

(i) **Module examinations and second examinations**

As set out in Reg. M.2A. 3.

(ii) **Failed candidates/Admission to the third year of study**

(a) Second-year students who have passed in all prescribed first- and second-semester modules at 200 level will, in accordance with the stipulations of General Regulation G.3, automatically be admitted to the third year of study.

- (b) A student who has failed any one or more of the 200-level modules, will have to repeat those module(s) failed before he/she will be admitted to the third year of study.
- (c) Also consult Reg. M.2A.5 (ii) in respect of a student for the BClinical Medical Practice degree, who fails a year of study for a second time.

(iii) **Third year of study**
(aa) First semester

Modules	Module code	Prerequisite	Credits per module
Women's health 381*	CMP 381	CMP 281,282 FAR 280	24
Child health 382*	CMP 382	CMP 281,282 FAR 280	24
Emergency care 1 383	CMP 383	CMP 281,282 FAR 280	12
Infectious and chronic diseases 384*	CMP 384	CMP 281,282 FAR 280	36
Anaesthetics 385*	CMP 385	CMP 281,282 FAR 280	12
Mental health 386*	CMP 386	CMP 281,282 FAR 280	16
Orthopaedics 387*	CMP 387	CMP 281,282 FAR 280	12
Healthcare systems 380	CMP 380	CMP 281,282 FAR 280	10
Clinical rotations**			
Total credits per semester:			84

*These modules will be either 1st semester or 2nd semester depending on rotation arrangements.

**Marks obtained in the clinical rotations are taken into account when calculating the relevant module marks.

(i) **Module examinations and second examinations**

As set out in Reg. M.2A.3.

(ii) **Failed candidates/Admission to the second semester of the third year of study**

Third-year students who have passed in sufficient prescribed first-semester modules at 300 level will, in accordance with the stipulations of General Regulation G.3, automatically be admitted to the second semester of the third year of study.

(ii) **Second semester**

Modules	Module code	Prerequisite	Credits per module
Women's health 381*	CMP 381	CMP 281,282 FAR 280	24
Child health 382*	CMP 382	CMP 281,282 FAR 280	24

Infectious and chronic diseases 384*	CMP 384	CMP 281,282 FAR 280	36
Anaesthetics 385*	CMP 385	CMP 281,282 FAR 280	12
Mental health 386*	CMP 386	CMP 281,282 FAR 280	16
Orthopaedics 387*	CMP 387	CMP 281,282 FAR 280	12
Emergency care 2 389	CMP 389	CMP281,282,383 FAR 280	12
Dispensing 380 Clinical rotations*	FAR 380		4
Total credits per semester:			78
Total credits third year of study:			162

*Marks obtained in the clinical rotations are taken into account when calculating the relevant module marks.

(i) **Module examinations and second examinations**

As set out in Reg. M.2A.3.

(ii) **Failed candidates/Academic exclusion from further study**

Consult Reg. 2A.5 in respect of a student who does not complete the degree programme within the prescribed minimum period of study plus two years.

(g) **Degree with distinction**

The degree is conferred with distinction on a student who has obtained an average of at least 75% in the clinical modules of the second and third years of study.

M.3 Master of Medicine [MMed]

Regulations and curricula

Please note:

- (i) All MMed students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily.
- (ii) All MMed students must submit an essay (MMS 800) which must be assessed as satisfactory by an external examiner, or an article that has been accepted for publication in a subsidised periodical. An ordinary literature review will not be accepted.
- (iii) A **systematic literature review** (Cochrane type) on an approved subject, which is undertaken in such a manner that bias is minimised, may be presented as an alternative to the **dissertation** for awarding the MMed (Public Health Medicine) degree. It requires, inter alia, a protocol with clearly formulated objectives and methods. Inclusion and exclusion methods for the study must be determined. Where applicable, the data must be summarised (meta analysis), with applicable statistical methods. This alternative is in special cases applicable to other MMed degrees.

The MMed degree is conferred in the following fields:

- (i) Anaesthesiology – [MMed(Anaes)]
- (ii) Surgery – [MMed(Sur)]
- (ii)(a) Option: Paediatric Surgery

- (iii) Dermatology – [MMed(Derm)]
- (iv) Physical Medicine – [MMed(MedPhys)] [Discontinued until further notice]
- (v) Emergency Medicine – [MMed(Emergency Med)] – see **Note** below
- (vi) Family Medicine – [MMed(Family Medicine)]
- (vii) Geriatrics – [MMed(Geriat)]
- (viii) Internal Medicine – [MMed(Int)]
- (ix) Medical Oncology – [MMed(MedOnc)] – see **Note** below
- (x) Nuclear Medicine – [MMed(NuclMed)]
- (xi) Paediatrics – [MMed(Paed)]
- (xii) Neurosurgery – [MMed(NeurSur)]
- (xiii) Neurology – [MMed(Neur)]
- (xiv) Obstetrics and Gynaecology – [MMed(O et G)]
- (xv) Ophthalmology – [MMed(Ophth)]
- (xvi) Otorhinolaryngology – [MMed(ORL)]
- (xvii) Orthopaedics – [MMed(Orth)]
- (xviii) Pathology – [MMed(Path)]
- (xix) Plastic Surgery – [MMed(PlastSur)]
- (xx) Psychiatry – [MMed(Psych)]
- (xxi) Radiological Diagnostics – [MMed(Rad-D)]
- (xxii) Radiation Oncology – [MMed(Rad-Onc)]
- (xxiii) Thoracic Surgery – [MMed(ThoracSur)]
- (xxiv) Urology – [MMed(Urol)]

Note:

- Inquire at the Head of Department regarding the availability of registrarships for the specialisation Medical Oncology.
- Inquire at the Head of the Department of Family Medicine regarding the availability of registrarships for the specialisation Emergency Medicine.

(a) **Requirements for admission**

A prospective student for the MMed degree programme must be in possession of the MBChB degree of this University, or a qualification deemed by the University to be equivalent to the MBChB degree, for at least two years. In addition, such a student must be registered as a physician with the Health Professions Council of South Africa for at least one year.

(b) **Duration**

- (i) The training for the degree extends over four or five years in accordance with the requirements of the department under which the chosen major subject falls.
- (ii) "Major subject" refers to the recognised field of study in Medicine in which the student specialises. The study of the major subject extends over four or five years, as prescribed by the department in question.

(c) **Each student must prove to the University that he or she**

- (i) has successfully filled the required full-time training post for a period of four or five years according to the requirements of the department in question at the Steve Biko Academic Hospital or Kalafong Hospital or at an institution recognised by the University as equivalent;
- (ii) has completed the theoretical, practical, clinical and applicable training as stipulated in Reg. M.3 (b) above; and
- (iv) has passed the prescribed written, oral, practical and/or clinical university examinations.

(d) Exemption

- (i) The Faculty Board may grant partial exemption from the training and work mentioned under par. (b) and (c)(i) and (ii) above on the grounds of comparable training and experience completed in another post or at another recognised institution – with the proviso that exemption from a maximum period of 18 months may be granted with regard to four-year and five-year programmes.
- (ii) Exemption from a maximum of three years may be granted by the Department of Medical Oncology for the MMed in Medical Oncology [MMed(MedOnc)] on the grounds of the MMed(Int) or MMed(Paed) degree of this University, or experience recognised by the University as equivalent.
- (iii) All prerequisite subjects, indicated with an asterisk (*), must be passed within 24 months after commencement of the programme.
- (v) Exemption from a maximum of two years' clinical training may be granted in the Department of Forensic Medicine in respect of the MMed(Path) degree with specialisation Forensic Pathology, to a candidate already in possession of an MMed degree (or a degree deemed equivalent by the University) with specialisation in Anatomical Pathology.

(e) Rules governing the writing of the examinations of the College of Medicine of South Africa [CMSA]

- Only candidates who have met all requirements for the MMed degree except for the major subject (final examination), i.e. passed all prerequisite subjects (the latter to be interchangeable; can be passed either at the University or as primary and intermediary examinations at the College of Medicine of South Africa [CMSA], completed all practical, clinical and applicable training of four or five years as prescribed by the relevant academic department (continuous evaluation of the candidate, in an approved registrar post, by the Head of department of the candidate); and completed the required research component for the degree in accordance with the Faculty Yearbook regulations, i.e. Applied research methodology 800 (TNM 800) and the essay (MMS 800) or an article (not an ordinary literature review) that has been accepted for publication in a subsidised periodical, will be allowed to write the college examination (exit examination), after which they will obtain both the FCP and the MMed as specialist qualifications.
- The rules will be effective as from 1 January 2012. As a **transitional measure**, cases will be considered on an individual basis where necessary.

(f) Curricula

The curriculum consists of a major subject and its prerequisites:

(i) Anaesthesiology (Code 10250011)

Major subject: ANE 801 Anaesthesiology 801.

Prerequisites: FSG 801 Physiology 801*; CHP 805 Chemical pathology 805*; FAR 802 Pharmacology 802*; FSK 808 Physics 808*.

Duration of training: Four years.

(ii) Surgery (Code 10250021)

Major subject: CHR 800 Surgery 800

Prerequisites: ANA 802 Anatomy 802*; FSG 801 Physiology 801*; ANP 802 Anatomical pathology 802*; BVC 800 Principles of surgery 800 (Neuro-surgery, Orthopaedics, Plastic surgery, Thoracic surgery, Urology).

Duration of training: Five years.

Option: Paediatric Surgery (Code 10250023)

Major subject: CHR 805 Paediatric surgery 805

Prerequisites: ANA 802 Anatomy 802*; FSG 801 Physiology 801*; ANP 802 Anatomical pathology 802*; BVC 800 Principles of surgery 800 (Neurosurgery, Orthopaedics, Plastic surgery, Thoracic surgery, Urology, Paediatric ICU).

Duration of training: Five years.

(iii) **Dermatology (Code 10250031)**

Major subject: DER 800 Dermatology 800.

Prerequisites: PAG 804 Pathology 804 (Anatomical, Microbiological, simultaneously with the major subject); ANA 807 Anatomy 807*; FSG 801 Physiology 801*.

Duration of training: Four years.

(iv) **Physical Medicine (Code 10250081)**

Discontinued until further notice.

(v) **Emergency Medicine (10250392)**

Major subject: NGK 801 Emergency medicine 801

Prerequisites: ANA 802 Anatomy 802, FSG 801 Physiology 801, FAR 880 Pharmacology 880, PAG 880 Pathology 880.

Duration of training: Four years.

Note: Inquire at the Head of the Department of Family Medicine regarding the availability of registrarships.

(vi) **Family Medicine (10250401)**

Major subject: HAK 800 Family medicine 800

Prerequisites: AEH 801 Anatomy, embryology and histology 801; FSG 809 Physiology 809; DLM 807 Diagnostic laboratory medicine 807.

Duration of training: Four years.

(vii) **Geriatrics (Code 10250041)**

Major subject: GER 800 Geriatrics 800.

Prerequisites: PAG 806 Pathology 806 (Chemical, Anatomical, Microbiological); ANA 893 Anatomy 893*; FSG 801 Physiology 801*; FAR 804 Pharmacology 804.

Duration of training: Four years.

(viii) **Internal Medicine (Code 10250051)**

Major subject: IGK 800 Internal medicine 800

Prerequisites: ANA 800 Anatomy 800*; FSG 801 Physiology 801*
Attendance courses: (simultaneously with the major subject); FAR 806 Pharmacology 806; PAG 808 Pathology 808 (Anatomical, Chemical, Haematological, Microbiological).

A certificate issued by the Head of Department must be submitted as proof that the student is well qualified in research methodology before the degree is conferred.

Duration of training: Four years.

(ix) **Medical Oncology (Code 10250163)**

Major subject: MDN 801 Medical oncology 801

Prerequisites: ANA 800 Anatomy 800, FSG 801 Physiology 801, FAR 806 Pharmacology 806, PAG 808 Pathology 808 (Anatomical, Chemical, Haematological, Microbiological).
 Duration of training: 5 years, or
 3 years MMed(Int) + 2 years MMed(MedOnc) = 5 years
 Inquire at the Head of Department regarding the availability of registrarships for this specialisation.

- (x) **Nuclear Medicine (Code 10250381)**
 Major subject: KDE 801 Nuclear medicine 801
 Prerequisites: ANA 809 Anatomy, 809 FSG 801 Physiology 801*; KDE 802 Nuclear physics 802*; PAG 801 Pathology 801* (Chemical and Haematological), RCF 800 Radiobiology, chemistry and pharmacology 800.
 Duration of training: Four years (of which at least six months' ward rounds in Radiological Diagnostics). If a student specialises in Nuclear Medicine after having obtained the MMed in Radiological Diagnostics, Radiation Oncology or Internal Medicine, the duration will be three years.
- (xi) **Paediatrics (Code 10250121)**
 Major subject: KGE 800 Paediatrics 800
 The degree requirements consist of the following components:
- (i) Successful completion of the primary subjects for the MMed(Paed):
 - Successful completion of the College of Paediatricians Fellowship Examination Part 1

or

 - ANA 805 Anatomy 805*; FSG 801 Physiology 801*; PAG 802 Pathology 802* (Chemical pathology, Anatomical pathology, Haematology, Microbiology).
 - (ii) Final Professional Theoretical and Clinical Examination: Provided that a student may be exempted from writing this examination if he/she has passed the Final Fellowship Examination of the College of Paediatricians of South Africa [FC Paed (SA)] within the previous two years
 Duration of training: Four years.
- (xii) **Neurosurgery (Code 10250191)**
 Major subject: NCR 800 Neurosurgery 800
 Prerequisites: ANA 894 Anatomy 894*; FSG 801 Physiology 801*; ANP 875 Anatomical pathology 875*; BVC 801 Principles of surgery 801* (Surgery, Urology, Neurosurgery, Orthopaedics, Plastic surgery, Thoracic surgery).
 Duration of training: Five years.
- (xiii) **Neurology (Code 10250091)**
 Major subject: NRE 800 Neurology 800.
 Prerequisites: PAG 805 Pathology 805* (Anatomical, Chemical, Microbiological); ANA 891 Anatomy 891*; FSG 801 Physiology 801*.
 Duration of training: Four years.
- (xiv) **Obstetrics and Gynaecology (Code 10250101)**
 Major subject (Final examination): OEG 800 Obstetrics and gynaecology 800.
 Prerequisite subjects (Primary examination): ANA 803 Anatomy 803*; FSG 801 Physiology 801*.

In addition to the prerequisite subjects mentioned, also (OEG 801) Additional examination: Basic sciences 801 (examination on aspects from the basic sciences, as applicable to Obstetrics and Gynaecology).

Prerequisite subject (Intermediary examination): ANP 803 Anatomical pathology 803*.

Duration of training: Four years.

(xv) **Ophthalmology (Code 10250111)**

Major subject: OHK 800 Ophthalmology 800.

Prerequisites: ANP 871 Anatomical pathology 871*; ANA 876 Anatomy 876*; FSG 801 Physiology 801*; GMO 800 Geometrical optics 800*.

Duration of training: Four years.

(xvi) **Otorhinolaryngology (Code 10250361)**

Major subject: ONK 800 Otorhinolaryngology 800.

Prerequisites: ANP 870 Anatomical pathology 870*; ANA 875 Anatomy 875*; FSG 801 Physiology 801*; BVC 807 Principles of surgery 807.

Duration of training: Four years.

(xvii) **Orthopaedics (Code 10250201)**

Major subject: ORT 800 Orthopaedics 800.

Prerequisites: ANA 895 Anatomy 895*; FSG 801 Physiology 801*; ANP 879 Anatomical pathology 879; BVC 802 Principles of surgery 802 (Surgery, Urology, Neurosurgery, Orthopaedics, Plastic surgery, Thoracic surgery).

Duration of training: Five years.

(xviii) **Pathology**

(1) **Clinical Pathology (Code 10250241)**

Major subject: MBG 800 Microbiology 800; CHP 802 Chemical pathology 802; HEM 801 Haematology 801.

Prerequisites: APA 800 General pathology 800 (of which six months in each of Microbiology, Chemical pathology and Haematology).

Duration of training: Five years with at least 18 months in each major subject.

(2) **Anatomical Pathology (Code 10250251)**

Major subject: ANP 800 Anatomical pathology 800.

Prerequisites: ANP 801 Anatomical pathology 801, ANA 800 Anatomy 800.

Satisfactory progress after 18 months of training is required, as evaluated by the applicable examination panel.

(3) **Medical Microbiology (Code 10250261)**

Major subject: GMB 800 Medical microbiology 800

Prerequisites: GMB 801 Medical microbiology 801, or capita selecta from Anatomical pathology (APY 871), Chemical pathology (CHP 871), Haematology (HEM 871), Medical virology (GVR 871) – as approved in consultation with the heads of department in question.

Satisfactory progress after one year of training is required as evaluated by the applicable examination panel.

(4) **Chemical Pathology (Code 10250271)**

Major subject: CHP 800 Chemical pathology 800.

Prerequisites: FSG 801 Physiology 801, CHP 801 Chemical pathology 801, or capita selecta from Anatomical pathology (APY 871), Haematology (HEM 871), Medical microbiology (GMB 871), Medical

- virology (GVR 871) – as approved in consultation with the heads of department in question.
Satisfactory progress after one year of training is required, as evaluated by the applicable examination panel.
- (5) **Haematology (Code 10250281)**
Major subject: HEM 800 Haematology 800.
Prerequisites: FSG 801 Physiology 801, HEM 801 Haematology 801, or capita selecta from Anatomical pathology (APY 871), Chemical pathology (CHP 871), Medical microbiology (GMB 871), Medical virology (GVR 871) – as approved in consultation with the heads of department in question.
Satisfactory progress after one year of training is required, as evaluated by the applicable examination panel.
- (6) **Medical Virology (Code 10250391)**
Major subject: GVR 800 Medical virology 800
Prerequisites: GVR 801 Medical virology 801, or capita selecta from Anatomical pathology (APY 871), Chemical pathology (CHP 871), Haematology (HEM 871), Medical microbiology (GMB 871) – as approved in consultation with the heads of department in question.
Satisfactory progress after one year of training is required, as evaluated by the applicable examination panel.
Duration of training: Four years, of which at least three years must be in the major field of study. The fourth year can either be in the major subject or in any combination of the other Pathology specialisations.
- (7) **Forensic Pathology (Code 10250272)**
Major subject: GVK 800 Forensic medicine 800
Prerequisites: ANA 800 Anatomy 800, FSG 801 Physiology 801, FAR 803 Pharmacology 803, ANP 874 Anatomical pathology 874.
Duration of training: Four years.
- (xix) **Plastic Surgery (Code 10250211)**
Major subject: PCR 800 Plastic surgery 800.
Prerequisites: ANA 896 Anatomy 896*; FSG 801 Physiology 801*; ANP 876 Anatomical pathology 876*; BVC 803 Principles of surgery 803 (Neurosurgery, Orthopaedics, Plastic surgery, Thoracic surgery, Urology, Surgery).
Duration of training: Five years.
- (xx) **Psychiatry (Code 10250141)**
Major subject: PSI 800 Psychiatry 800.
Prerequisites: ANA 804 Anatomy 804*; FSG 801 Physiology 801*; ANP 872 Anatomical pathology 872*; MTS 801 Medical applied psychology 801*; NRE 801 Neurology 801.
Duration of training: Four years.
- (xxi) **Radiological Diagnostics (Code 10250151)**
Major subject: RDD 800 Radiological diagnostics 800.
Prerequisites: ANP 807 Anatomical pathology 807 (simultaneously with the major subject at the end of the fourth year); ANA 808 Anatomy 808*; FSG 801 Physiology 801*; MFK 800 Medical physics 800*.
Duration of training: Five years.
If this specialisation is followed after having obtained the MMed (Radiation Oncology), the duration of the programme will be three years.

(xxii) **Radiation Oncology (Code 10250162)**

Major subject: SOZ 800 Radiation oncology 800 (including Medical oncology).

Prerequisites: ANP 809 Anatomical pathology 809; ANA 809 Anatomy 809*; FSG 801 Physiology 801*; MFK 801 Medical physics 801* (must be completed within 18 months), RBG 801 Radiobiology 801 (must be finalised within 30 months).

Duration of training: Four years. If this specialisation is followed after having obtained the MMed in Radiological Diagnostics, the duration of the programme will be three years.

(xxiii) **Thoracic Surgery (Code 10250231)**

Major subject: TCR 800 Thoracic surgery 800.

Prerequisites: ANA 898 Anatomy 898*; FSG 801 Physiology 801*; ANP 878 Anatomical pathology 878*; BVC 805 Principles of surgery 805 (Neurosurgery, Orthopaedics, Plastic surgery, Urology, Surgery, Thoracic surgery).

Duration of training: Five years.

(xxiv) **Urology (Code 10250221)**

Major subject: URO 800 Urology 800.

Prerequisites: ANA 897 Anatomy 897*; FSG 801 Physiology 801*; ANP 877 Anatomical pathology 877*; BVC 804 Principles of surgery 804 (Neurosurgery, Orthopaedics, Plastic surgery, Urology, Surgery, Thoracic surgery).

Duration of training: Five years.

(g) **Examinations**

- (i) The sequence of the examinations in the prerequisite subjects will be determined by the head of the department under which the major subject falls.
- (ii) The nature, duration and time of the examinations in the prerequisite subjects are determined in cooperation with the heads of the departments under which the prerequisite subjects fall – with the proviso that, except in cases where stipulated otherwise, the examinations in the prerequisite subjects may be held at any time prior to or concurrently with the major subject. The examinations in the major subjects are held as follows:
 - In the case of four-year programmes: not before the end of the third year.
 - In the case of five-year programmes: not before the end of the fourth year.
- (iii) A minimum final mark of 50% is required by all departments to pass in a subject and in the clinical section of the examination, a subminimum of 50%. General Regulation G.12 applies.
- (iv) A student is not admitted to the examination in a prerequisite subject (second examinations excluded) more than twice, nor is he or she admitted to the examination in the major subject more than twice.

Note: Certificates of satisfactory preparation and progress are required in respect of the fourth year of four-year programmes in which an examination is held at the end of the third year.

(h) **Second examinations**

Second examinations for MMed students will only be held after at least six months have elapsed since the conclusion of the examination in which the student had failed.

- (i) **Conferment of the degree/Degree with distinction**
The degree is conferred at the end of the prescribed training period (i.e. three, four or five years, respectively). The degree is conferred with distinction on a student who has obtained a final mark of at least 75% in his or her major subject.
- (j) **General**
Departments expect registrars to participate increasingly in the examining and treatment of patients in the hospital, both in-patients and out-patients; initially under supervision and later increasingly at their own responsibility. Lectures/symposia with closely related departments are organised, as well as discussions of literature, etc.

M.4 Master of Medicine in Family Medicine [MMed (Family Medicine)]

Consult Reg.M.3 in this publication.

M.5 Master of Military Medicine [MMilMed] (Code 10255001)
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Also consult the General Regulations.

- (a) **Requirement for admission**
Candidates must be in possession of the MBChB degree for at least two years.
- (b) **Duration**
Three years, of which the first two years will be part-time study, and the final year full-time study as a registrar in the relevant main discipline.
- (c) **Curriculum**
Major subject: Military medicine (specialising in either MIG 800 Internal medicine 800 or CHR 800 Surgery 800).
Prerequisites: FSG 801 Physiology 801; VGN 800 Preventive medicine 800; IGK 804 Internal medicine 804; CHR 801 Surgery 801; and RAT 800 Radiotherapy 800.
- (d) **Examinations**
- (i) The sequence of the examinations in the prerequisite subjects is determined by the head of the department under which the major subject falls.
 - (ii) The nature, duration and time of the examinations are determined in co-operation with the heads of the departments under which the prerequisite subjects fall – with the proviso that, except in cases indicated differently, the examinations in the prerequisite subjects will be held at any time prior to, or concurrently with the examinations in the major subject.
 - (iii) To pass in a module, a minimum final mark of 50% is required.
 - (iv) A student will not be admitted to the examinations in a prerequisite module, or to the examination in the major subject, more than twice (second examinations excluded).
- (e) **Second examinations**
Second examinations will take place only after at least six months have elapsed since the conclusion of the examination in which the student failed.

(f) **Degree with distinction**

The degree is conferred with distinction on a student who has obtained a final mark of at least 75% in his or her major subject.

M.6 Master of Medical Pharmacology [MPharmMed] (Code 10256001)

Also consult General Regulations.

(a) **Requirements for admission**

A candidate for admission to the study for the MPharmMed degree must be in possession of the MBChB degree of this University or a qualification deemed equivalent by the University, for at least one year. Additionally, the candidate must be registered as a medical practitioner with the Health Professions Council of South Africa.

(b) **Duration**

Three years of part-time study.

(c) **Curriculum**

(i) **First year of study**

- | | | |
|-----|---------|---|
| (1) | MFM 801 | Medical pharmacology 801 |
| (2) | MBS 800 | Medical biostatistics 800 |
| (3) | FFD 801 | Pharmacokinetics and pharmacodynamics 801 |
| (4) | WKT 881 | Practical work and work assignments 881 |

(ii) **Second year of study**

- | | | |
|-----|---------|---|
| (1) | MFM 802 | Medical pharmacology 802 |
| (2) | FFD 802 | Pharmacokinetics and pharmacodynamics 802 |
| (3) | WKT 882 | Practical work and work assignments 882 |
| (4) | NAV 882 | Research report (Preparation) 882 |

(iii) **Third year of study**

- | | | |
|-----|---------|---|
| (1) | MFM 803 | Medical pharmacology 803 |
| (2) | FFD 803 | Pharmacokinetics and pharmacodynamics 803 |
| (3) | WKT 883 | Practical work and work assignments 883 |
| (4) | NAV 883 | Research report 883 |

(d) **Examinations**

- (i) The examinations for each year of study will take place during the summer examination period.
- (ii) To pass in a module, a minimum final mark of 50% is required.
- (iii) In addition to the examination, a student will be required to complete all practical work and work assignments satisfactorily, as well as (NAV 882) Research report (Preparation) 882 and pass (NAV 883) Research report 883 (minimum pass mark 50%), in order to comply with all the requirements for the degree.
- (iv) Second examinations will not be held before at least six months have elapsed since conclusion of the examination in which the student failed.

(e) **Degree with distinction**

The degree will be conferred with distinction on a student who has obtained a final mark of at least 75% in the following modules:

- (i) Medical pharmacology 802 and 803

- (ii) Pharmacokinetics and pharmacodynamics 802 and 803, as well as a final mark of at least 75% for (NAV 883) Research report 883 in the final year of study.

**M.7 Master of Philosophy in Philosophy and Ethics of Mental Health
[MPhil (Philosophy and Ethics of Mental Health)]
(Code 10250500)**

Also consult General Regulations.

(a) Requirements for admission

A bachelor honours degree or equivalent in a field of relevance to either mental health or philosophy eg MBChB; BPsych; BAHons; LLB; BCur; BOccTher, is the minimum admission requirement.

Practical experience and/or a relevant master's degree is strongly recommended e.g. MMed (Psych); MA (Philosophy); MA (Psychology); MA (Sociology) MA (Social Work); MMus (Music Therapy); LLM; MCur, MOccTher.

(b) Duration

One year full-time or two years part-time study (with choice of e-learning)

(c) Curriculum

Modules	Credits
Core Modules	
FEG 881 Core concepts in philosophy and mental health 881	10
FEG 882 Philosophy of science and mental health 882	10
FEG 883 Philosophy of mind and mental health 883	10
FEG 884 Ethics, values and mental health 884	10
Research:	
FEG 890 Dissertation: Philosophy and ethics of mental health 890	140
Grand total of credits required:	180

(d) Examinations and pass requirements

- (i) Students must complete the assignments of each of the core modules and obtain a minimum mark of 50% to pass in the respective core modules.
- (ii) The dissertation must consist of five sections of which the first four will respectively address a topic from the core modules. The fifth section will be on an appropriate topic of the student's choice.
- (iii) The first four sections of the dissertation should each be between 5 000 and 6 000 words and the fifth section should be approximately 10 000 words in length.
- (iv) A minimum mark of 50% will be required in each section of the dissertation to pass.
- (v) A student will be disqualified from further study towards this degree when he or she fails any one of the sections for the third time.

(e) Degree with distinction

The degree will be conferred with distinction on a student who obtains a mark of 75% or more for the dissertation.

M.6 Master of Philosophy in Pain Management [MPhil (Pain Management)] (10250501)

This programme will commence in either 2011 or 2012. Please consult the programme director (Prof HP Meyer) tel 012 373 1018.

(a) **Requirements for admission**

Prospective students must have an applicable professional qualification and must be registered with his or her relevant professional board. Appropriate qualifications, together with the required professional board registration, include the following, but are not limited to these qualifications:

MBChB, MMed, BPhysT, BCur, BOccTher and BChD (according to the discretion of the Dean).

The number of students will be restricted to 40 or 50 and selection will take place according to the specific guidelines of the selection procedure.

(b) **Duration**

The programme extends over two academic years with three contact sessions per year, each consisting of 2½ days. A one-day orientation will take place on the day before the first module in year one.

(c) **Curriculum**

(i) **First year of study**

Modules	Credits
Core modules	
PYN 800 Introduction to pain management (including research methodology) 800	40
PYN 801 Principles of pain management (including research methodology) 801	20
PYN 802 Clinical pain management 802	20
Elective modules	
PYN 880 Minor interventional procedures 880	10
PYN 881 Minor interventional procedures 881	10
PYN 882 Physical therapy 882	10

(ii) **Second year of study**

Modules	Credits
Core credits	
PYN 803 Clinical pain management 803	20
PYN 804 Musculoskeletal pain 804	20
PYN 805 Unique pain scenarios	20
PYN 891 Research report 891	60
Elective modules	
PYN 883 Psychotherapy 883	10
PYN 884 Surgical procedures 884	10
PYN 885 Complementary/alternative approaches to pain management 885	10

(d) **Examination and pass requirements**

(i) An average of at least 50% must be achieved in both the assignments and/or case study presentations to pass a core module.

At least 50% must be obtained in the critical evaluation of the elective modules.

- (ii) If a student fails to pass or to attend a particular module, a second examination in the form of a written case study assignment based on the relevant module, will have to be submitted within four weeks of the completion of the module, and an oral examination on the content of the module will also take place within these four weeks.
- (iii) If this second attempt is also failed, a final re-examination in the form of a written case study assignment and an oral examination will take place within four weeks of the second examination. If this re-examination is failed, the student will not be allowed to continue with the programme.
- (iv) If a student cannot fulfil these requirements within eight weeks for valid reasons, he/she may enrol for the module again at the next available opportunity when the module will be presented.
- (v) For a student to progress to Year 2, at least two of the three core modules of the first year have to be passed and the protocol of the research project has to be accepted.
- (vi) To qualify for the degree, a student has to:
- Attend at least five of the six core modules.
 - Pass all six core modules.
 - Attend and pass four of the six elective modules.
 - Submit and pass the research report.
- (d) **Degree with distinction**
The degree is conferred with distinction on a student who obtains a final mark of at least 75% for his/her research report and has passed all modules at the first attempt.

M.9 Master of Early Childhood Intervention [MECI] (Code 10258240)
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Also consult General Regulations.

- (a) **Admission requirements**
A candidate must be in possession of an applicable four-year professional bachelor's degree or an equivalent qualification.
- (b) **Duration**
Two years of part-time study through distance education.
- (c) **Curriculum**

Year 1

(The credit value of each module appears in brackets after the module code.)

Module	Module code
ECI: Critical theoretical analysis in ECI 801*	ECI 801 (90)

*Refer to the study guide available on request from the Centre for Augmentative and Alternative Communication for information on the subdivisions of the module.

Year 2

(The credit value of each module appears in brackets after the module code.)

Module	Module code
ECI: Collaborative problem-solving 872	ECI 872 (20)
ECI: Measurement in ECI 873	ECI 873 (20)
ECI: Evaluation and intervention 874 (e.g. ECI 874)	ECI 874 (20)
Applied discipline-directed elective module:	
Child health 860	ECI 860 (30)

Communication pathology 861	ECI 861 (30)
Educational psychology 862	ECI 862 (30)
Nursing science 863	ECI 863 (30)
Nutrition care 864	VSG 864 (30)
Occupational therapy 865	ECI 865 (30)
Physiotherapy 866	ECI 866 (30)
Severe disability 867	ECI 867 (30)
Social work 868	ECI 868 (30)
Audiology 869	ECI 869 (30)

(d) Promotion to the second year of study

A student must pass the first year of study for admission to the second year of study. Participation as described in the study guide is a requirement for promotion to the second year of study.

(e) Examination and pass requirements

- (i) A minimum of 50% is required to pass in a module, and all modules must be passed before the degree will be conferred.
- (ii) The nature and frequency of examinations will be determined by the head of department in conjunction with the programme supervisor.

(f) Second examinations

Second examinations or regrouping of work assignments will take place within two weeks or a month after conclusion of the examination in which the student failed.

(g) Degree with distinction

The degree is conferred with distinction on a student who has obtained an average of at least 75% in all the modules.

M.10 Bachelor of Science Honours [BSchHons]

Also consult General Regulations.

(a) Requirements for admission

- A candidate must hold a bachelor's degree deemed acceptable by the head of department for the proposed field of study, or an equivalent qualification deemed acceptable by the Senate of the University for the proposed field of study, with at least one applicable biological subject as major subject.
- Admission to the study for an honours degree is subject to the approval of the head of department: with the proviso that a candidate who has obtained an average of less than 60% in the modules of his or her major subject in the final year of the bachelor's degree study, may only be admitted with the **Dean's approval**, on the recommendation of the head of department. Additional requirements may be set by the head of department.
- The prerequisites for admission to the honours degree in certain fields of study are indicated in the syllabuses of the specific department, e.g. Physiology.
- Consult par (c)(vi) below with regard to special admission requirements for candidates who intend specialising in Physical Anthropology.

(b) Duration

One year of full-time study
Two years of part-time study

(c) **Curriculum**

(i) The BScHons degree is conferred in the following fields of study:

Field of study	Degree code	Module code
Anatomy	10243012	ANA 700 [see c (vi)]
Developmental Biology	10243015	ANA 711
Comparative Anatomy	10243019	ANA 712
Neuro-anatomy	10243016	ANA 713
Human Cell Biology	10243014	ANA 714
Physical Anthropology	10243017	ANA 715
Human Histology	10243013	ANA 716
Macro-anatomy	10243018	ANA 717
Biokinetics	10243020	BKA 700
Chemical Pathology	10243151	CHP 700
Pharmacology	10243161	FAR 705 [See c (v)]
Medical Immunology	10243171	GIM 700
Medical Nuclear Science	10243181	GKW 700
Medical Microbiology	10243001	GMB 700
Medical Virology	10243132	GVR 700
Haematology	10244061	HEM 700
Medical Criminalistics	10243191	KRT 700
Aerospace Medicine	10244021	LRG 700
Medical Oncology	10244030	MDN 700
Human Physiology	10243023	MFG 777 [See c (iii)]
Human Genetics	10243072	MGN 700 and 790
Sport Science	10243021	POK 700
Reproductive Biology: Andrology	10244042	RBA 700
Reproductive Biology	10244041	RBI 700
Cell Biology	10244051	SBI 700
Medical Physics	10243011	See c (iv)
Radiation Oncology	10243143	SOZ 700

(ii) **The following requirements are set:**

- Advanced instruction by means of self-tuition and four compulsory seminars of which at least one must be read to and defended before the department in question, on topics assigned to the student.
- Practical experience of the laboratory techniques used in the particular subsections of the subject.
- Attendance at the compulsory faculty module (TNM 800) Applied research methodology 800.
- Attendance at the prescribed module (MBS 800) Medical biostatistics 800.
- Taking part in a research project and presentation of an independent research report.
- Satisfactory attendance at a library-user course.

(iii) **The following additional requirements are set for the specialisation Human Physiology:**- **Admission requirements**

A minimum average of 60% in the final year (undergraduate) in Physiology.

- **Pass requirements**

An average of at least 50% in all the sections of the module MFG 777 is required in order to pass (see syllabi). A minimum continuous evaluation

mark of 40% is required for admission to the examination. The continuous evaluation mark is compiled from an average of 3 tests (50%), seminars and discussions on journals (25%), and project and presentation (25%). TNM 800 and MBS 800 must be completed successfully before the degree will be conferred.

(iv) **The following additional requirements are set for the specialisation Medical Physics:**

- **Modules to be taken in the Department of Physics, Faculty of Natural and Agricultural Sciences:**

FSK 710	Mathematical methods 710
FSK 711	Classical dynamics 711
FSK 713	Quantum mechanics 713
FSK 714	Electrodynamics 714

- **Modules to be taken in the School of Medicine:**

GNF 700	Medical physics: Practical work 700
GNF 701	Medical physics: Nuclear medicine 701
GNF 702	Medical physics: Diagnostic radiology 702
GNF 703	Medical physics: Radiation physics 703
GNF 704	Medical physics: Radiotherapy 704
GNF 705	Medical physics: Radiation protection 705

(v) **The following additional requirements are set for the specialisation Pharmacology:**

Admission requirements

- A minimum average of 60% in Pharmacology at undergraduate level.
 - In addition, the modules (FAR 381, 382) Pharmacology 381*, 382* must be completed at the Department of Pharmacology, if not completed at undergraduate level.
- *Exemption from the examination in FAR 381, 382 may be granted if a student, who obtained a module mark of at least 60%, exercises the option to accept this as the final mark.

(vi) **The following additional requirements are set for the specialisation Anatomy, specifically with regard to Physical Anthropology:**

- Only students who intend to specialise in Physical Anthropology may, in addition to the requirements set in M.14(a) above, also apply for admission, provided that they are in possession of a BA degree with Archaeology as major subject.
- A minimum average of 60% in the modules of the major subjects in the final year of study, is required.
- The module (ANA 122) Human osteology 122 must be taken additionally.

(d) **Examinations**

- (i) The examination at the end of the programme will consist of two written papers of three hours each as well as an oral examination of 30 minutes.
- (ii) For the field of specialisation Medical Physics, one examination of three hours is required in each of the theoretical modules. The mark awarded to the practical work will also be taken into account when the final mark is calculated.
- (iii) The maximum period for completion of the honours degree, is two years in the case of full-time students and three years in the case of part-time students. In exceptional circumstances, a student may apply, in writing, to the head of department for an extension of the period of study.

- (iv) To comply with the pass requirements for the degree, a student must obtain a final mark of at least 50% in each division as indicated, as well as a pass mark of at least 50% for the essay/work assignment (if applicable). The stipulations regarding pass requirements for dissertations in General Regulation G.60.2.1.2(a) apply *mutatis mutandis* to essays.
- (e) **Degree with distinction**
The degree is conferred with distinction on a student who has obtained an average of at least 75% in the examination (written, oral, practical, etc).

M.11 Master of Science [MSc]

Also consult General Regulations.

Note:

All MSc students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily. (Exemption may be granted if the module has already been passed for the BScHons degree.) However, students who follow the specialisation Pharmacology for the MSc degree, register for (FAR 872) Pharmacology: Introduction to laboratory research and techniques 872, instead of TNM 800.

- (a) **Admission requirements**
Subject to the stipulations of General Regulation G.62, a four-year bachelor's degree is required, or an honours degree, or in the case of a three-year bachelor's degree, also applicable practical (work) experience as prescribed by the University, plus any other additional work deemed necessary by the head of department: With the proviso that the head of department will have the discretion to decide whether the prerequisite qualification, or the qualification plus work experience would be acceptable for admission to the proposed field of study.
- (b) **Duration**
The maximum period for completion of the master's degree is four years. Subject to the stipulations of General Regulation G.32, the Chairperson of the School in question may, in consultation with the head of department, approve a fixed limited extension of the period on the grounds of extraordinary circumstances.
- (c) **Research protocol**
After registration, a student is required to submit a complete research protocol regarding the proposed dissertation to the MSc Committee of the School and if necessary, also to the Ethics Committee for approval.
- (d) **Dissertation**
A dissertation must be submitted via Student Administration at least three months prior to the date of a particular graduation ceremony. A manual on the editing of dissertations is available on request from the head of the department in question.
- (e) **Compliance with degree requirements**
In accordance with the stipulations of General Regulation G.40.1, the MSc degree is conferred by virtue of an examination, or an examination and a dissertation, or an examination and an essay, or a dissertation.

(f) **Degree with distinction**

The degree is conferred with distinction on a student who has obtained an average of at least 75% in the examination, or in the examination and the dissertation, or in the examination and the essay, or in the dissertation.

(g) **Fields of specialisation**

The MSc degree is conferred in the following fields of study:

Field of study	Degree code	Examination code	Dissertation/ Essay
Aerospace Medicine	10253251	LRG 800	LRG 890
Anatomy	10253012	ANA 877	ANA 890
Cell Biology	10253102	SBI 800	SBI 890
Chemical Pathology	10253042	CHP 809	CHP 890
Haematology	10253261	HEM 809	HEM 890
Human Genetics	10253072	MGN 800	MGN 890
Human Physiology	10253025	MFG 807	MFG 890
Medical Applied Psychology**	10253322	See par (i)	See par (i)
Medical Criminalistics	10253122	KRT 800	KRT 890
Medical Immunology	10253242	GIM 800	GIM 890
Medical Microbiology	10253032	GMB 805	GMB 890
Medical Nuclear Science	10253062	GKW 800	GKW 890
Medical Oncology	10253301	MDN 800	MDN 890
Medical Physics	10253271	GNF 800	GNF 890
Medical Virology	10253132	GVR 805	GVR 890
Pharmacology	10253052	FAR 805	FAR 890
Radiation Oncology*	10253282	SOZ 805	SOZ 890
Reproductive Biology: Andrology	10253311	RBA 800	RBA 890
Reproductive Biology	10253092	RBI 800	RBI 890
Sports Medicine	10253142	See par (h)	See par (h)
Sports Science	10253143	POK 800	POK 890

* The head of department has the discretion to decide whether the specialisation Radiation Oncology will be presented in a particular year (the number of prospective students applying must justify the presentation of the specialisation in question in a given year).

** Candidates must first consult the Head of the Department of Psychiatry in connection with the offering of this field of specialisation.

(h) The following additional requirements are set for the **MSc in Sports Medicine**:(i) **Admission**

A candidate for admission to studies for the MSc in Sports Medicine, must be in possession of the MBChB degree of this University, or a qualification deemed equivalent by the University, for at least one year. Additionally, the candidate must be registered as a physician with the Health Professions Council of South Africa.

(ii) **Curriculum**

SGN 802 Sports medicine 802 (Examination and oral: End of first year of study)

- SGN 800 Sports medicine 800 (Examination, oral and practical: End of second or final year of study)
- SGN 894 Essay: Sports medicine (Preliminary work) 894
- SGN 895 Essay: Sports medicine 895
- DTE 880 Sports dietetics 880
- FSG 880 Sports physiology 880
- SAN 880 Sports anatomy 880

(iii) **Examinations**

- (aa) Examinations in the basic subjects FSG 880, SAN 880 and DTE 880 will take place at the end of the first semester.
- (bb) The examination will comprise a two-hour written paper as well as an oral examination in each module, with a subminimum of 40% required in the written examination. To pass in a module, a minimum final mark of 50% is required.
- (cc) Should a student fail one of the basic subjects, he or she may be allowed to repeat the examination at the end of the second semester.
- (dd) Examinations (two papers of 3 hours each, an oral and a practical), as well as the essay, may only take place/be submitted after completion of the basic subjects.

(iv) **Degree with distinction**

The MSc in Sports Medicine is conferred with distinction on a student who has obtained at least 75% in (SGN 800) Sports medicine 800 and has completed the work assignment at cum laude level.

- (i) The following additional requirements are set for the degree programme **MSc in Medical Applied Psychology** (candidates must, however, first consult with the Head of the Department of Psychiatry as regards the presentation of the specialisation in question):

(i) **Admission requirements**

An appropriate bachelor honours degree. In certain cases, additional modules may be prescribed by the head of department. Only a limited number of students are admitted annually.

(ii) **Curriculum**

- MTS 802 Transcultural practice 802
- MTS 803 Personality theory 803
- MTS 804 Human development 804
- MTS 805 Research methodology 805
- MTS 806 Pathology 806
- MTS 807 Communication theory 807
- MTS 808 Practical work: Medical applied psychology 808
- MTS 890 Dissertation 890

NB: Students with previous academic training in Psychology may apply for exemption from certain sections of the programme by virtue of equivalent modules passed at postgraduate level.

M.12 Doctor of Medicine [MD]

Also consult General Regulations.

Please note: All MD students must register for, and attend (TNM 800) Applied research methodology 800 satisfactorily. (Exemption may be granted if Applied research methodology 800 has already been passed for the master's degree.)

- (a) For admission to the study for the MD degree, a candidate must be in possession of the MMed or the PhD degree, or a qualification of equivalent status following a MBChB degree – in the case of Family Medicine, the MMed in Family Medicine; and in the case of Pharmacology, the MPharmMed degree of the University of Pretoria. Alternatively, the student must comply with the stipulations as set out in General Reg. G.45.
- (b) The MD degree is conferred by virtue of a thesis and, if the Dean deems it necessary, an examination on the field of study of the thesis.
- (c) A complete research protocol regarding the proposed thesis (as well as the curriculum vitae of the candidate) must be submitted for approval to the Postgraduate Committee and if necessary, also to the Ethics Committee. The thesis must deal with a problem from any field of study in Medicine and must satisfy the supervisor and the examiners that it represents advanced original research and/or creative work in the field of Medicine. It must give an overview of the literature that was used on the topic and contain a description of the observations made and experiments done by the student, as well as a discussion of the conclusions reached.
- (d) The maximum period for completion of the degree is five years. Under exceptional circumstances, a student may apply to the head of department, in writing, for a fixed, limited extension of this period.
- (e) The MD degree can be obtained in the following fields of study:

Field of study	Degree code	Examination code	Thesis
Anaesthesiology	10260011	ANE 900	ANE 990
Anatomy	10260221	ANA 900	ANA 990
Community Health	10260241	GGG 900	GGG 990
Dermatology	10260031	DER 900	DER 990
Family Medicine	10260251	HAK 900	HAK 990
Forensic Medicine	10260061	GGK 900	GGK 990
Geriatrics	10260041	GER 900	GER 990
Haematology	10260291	HEM 900	HEM 990
Health Systems	10260242	GSL 900	GSL 990
Human Physiology	10260272	MFG 900	MFG 990
Internal Medicine	10260051	IGK 900	IGK 990
Medical Microbiology	10260281	GMB 900	GMB 990
Medical Oncology	10260361	MDN 900	MDN 990
Neurology	10260071	NRE 900	NRE 990
Neurosurgery	10260171	NCR 900	NCR 990
Obstetrics and Gynaecology	10260081	OEG 900	OEG 990
Ophthalmology	10260091	OHK 900	OHK 990
Orthopaedics	10260181	ORT 900	ORT 990
Otorhinolaryngology	10260231	ONK 900	ONK 990
Paediatrics	10260101	KGE 900	KGE 990
Pathology	10260111	PAG 900	PAG 990
Pharmacology	10260261	FAR 900	FAR 990
Plastic and Reconstructive Surgery	10260191	PCR 900	PCR 990

Psychiatry	10260121	PSI 900	PSI 990
Public Health	10260243	OGD 900	OGD 990
Radiation Oncology	10260142	SOZ 900	SOZ 990
Radiological Diagnostics	10260131	RDD 900	RDD 990
Reproductive Biology: Andrology	10260012	RBA 900	RBA 990
Reproductive Biology	10260010	RBI 900	RBI 990
Surgery	10260021	CHR 901	CHR 991
Thoracic Surgery	10260211	TCR 900	TCR 990
Urology	10260201	URO 900	URO 990

M.13 Doctor of Philosophy [PhD]

Also consult General Regulations.

Please note: All PhD students must register for, and attend TNM 800 Applied research methodology 800 satisfactorily. (Exemption will be granted if Applied research methodology 800 had been passed for the master's degree.) However, students following the specialisation Pharmacology for this degree, register for (FAR 872) Pharmacology: Introduction to laboratory research and techniques 872, instead of TNM 800.

- (a) Subject to the stipulations of General Regulations G.45 and G.62, a candidate will only be admitted to the studies for the doctoral degree if he or she holds a MBChB or a master's degree or has been granted the equivalent status.
- (b) **A PhD student must**
 - (i) under the supervision of a supervisor at the university or another institution approved by the Senate, undertake original research to the satisfaction of the examiners; and
 - (ii) submit a thesis which will prove, according to the opinion of the examiners, that he or she has, on the grounds of independent critical judgement, made a distinct contribution towards the enrichment of knowledge in the chosen subject.
- (c) A student for the PhD degree must be registered for the doctoral degree study at the University for at least one academic year before the degree can be conferred.
- (d) The PhD degree is conferred by virtue of a thesis and, should the Dean deem it necessary, an examination on the field of study of the thesis.
- (e) A complete research protocol regarding the proposed thesis (as well as the curriculum vitae of the candidate) must be submitted to the Postgraduate committee of the School in question and if necessary, also to the Ethics Committee for approval. The thesis must deal with a problem from any field of study in the Health Sciences and must satisfy the supervisor and the examiners that it represents advanced original research and/or creative work in the field of the Health Sciences. It must give an overview of the literature that was used on the topic and contain a description of the observations made and experiments done by the student, as well as a discussion of the conclusions reached.

- (f) The doctoral examination will be oral and/or written and will deal with the content of the thesis as well as those subdivisions of the field of study on which the thesis is based, if requested.
- (g) The maximum period for completion of a doctoral degree is five years. Under exceptional circumstances, a student may apply to the head of the department, in writing, for a fixed, limited extension of this period.
- (i) The PhD degree can be obtained in the following fields of study:

Field of study	Degree code	Examination code	Thesis
Anaesthesiology	10260521	ANE 900	ANE 990
Anatomical Pathology	10260441	ANP 900	ANP 990
Anatomy	10260331	ANA 900	ANA 990
Chemical Pathology	10260501	CHP 900	CHP 990
Diagnostic Radiology	10260591	DGR 900	DGR 990
Family Medicine	10260461	HAK 900	HAK 990
Forensic Pathology	10260611	GGK 900	GGK 990
Health Ethics	10260601	FEG 900	FEG 990
Human Genetics	10260421	MGN 900	MGN 990
Internal Medicine	10260381	IGK 900	IGK 990
Medical Immunology	10263051	GIM 900	GIM 990
Medical Microbiology	10260351	GMB 900	GMB 990
Medical Nuclear Science	10260481	GKW 900	GKW 990
Medical Oncology	10260431	MDN 900	MDN 990
Medical Physics	10260541	GNF 900	GNF 990
Medical Virology	10260491	GVR 900	GVR 990
Mental Health	10260602	GEG 900	GEG 990
Neurology	10260471	NRE 900	NRE 990
Obstetrics and Gynaecology	10260551	OEG 900	OEG 990
Orthopaedics	10260371	ORT 900	ORT 990
Paediatrics	10260511	KGE 900	KGE 990
Pharmacology	10260531	FAR 900	FAR 990
Psychiatry	10260483	PSI 900	PSI 990
Reproductive Biology: Andrology	10260484	RBA 900	RBA 990
Reproductive Biology	10260482	RBI 900	RBI 990
Sports Medicine	10260582	SGN 900	SGN 990
Sport Science	10260581	POK 900	POK 990
Urology	10260391	URO 900	URO 990

II. POSTGRADUATE DIPLOMAS

M.14

A. Postgraduate Diploma in Family Medicine (Code 10220122)

- (a) **Admission requirements**
Prospective students must be in possession of a MBChB degree or equivalent qualification. South African candidates must be registered as a medical doctor with the Health Professions Council of South Africa and non-South Africans as a medical doctor with the Licensing authority in their country of origin, and present acceptable documentary proof to this effect.
- (b) **Duration**
At least one academic year, or a maximum of five years part-time study by means of distance education.
- (c) **Curriculum**
- (i) **Compulsory modules**
- | | |
|---------|--|
| HAK 780 | Philosophy and principles of family medicine 780 |
| FFM 780 | Family-orientated patient care 780 |
| FMX 780 | Practice management 780 |
| FEM 780 | Emergency medicine 780 |
- (ii) **Elective modules**
Choose **four** of the following:
- | | |
|---------|--------------------------------|
| FMD 781 | Chronic diseases 781 |
| FMG 781 | Geriatrics 781 |
| FMS 781 | Sports medicine 781 |
| FMI 781 | Infectious diseases 781 |
| FMP 781 | Physiology 781 |
| FMA 782 | Clinically-applied anatomy 782 |
| FMF 781 | Psychiatry 781 |
| FMU 781 | Rheumatology 781 |
- Note:**
Physicians who wish to complete only one (or a few) of the module(s), will be allowed to register for only those modules.
- (d) **Assessment**
Assignments as prescribed by the head of department, must be submitted for each of the eight modules. If a student does not achieve at least 50%, one resubmission is permitted for each module.
- (e) **Pass requirement**
A minimum final mark of 50% is required as a pass mark for each module.
- (f) **Pass with distinction**
An average of at least 75% in the four compulsory modules and the four elective modules is required to obtain the diploma with distinction.

B. Postgraduate Diploma in General Ultrasound [PGDipGUS] (Code 10220096)

(a) **Admission requirements**

Prospective students must be in possession of an MBChB degree. All candidates must be registered as a medical doctor with the Health Professions Council of South Africa. Due to limited resources a selection procedure might need to be applied.

(b) **Duration**

Two academic years.

(c) **Curriculum**(i) **Year 1**

(Credit value of each module indicated in brackets)

Module	Module code
Semester 1:	
Applied ultrasound imaging of the body 710	ULT 710 (4)
Applied ultrasound physics 711	ULT 711 (2)
Applied ultrasound pathology 712	ULT 712 (4)
Basic abdominal ultrasound 713	ULT 713 (10)
Semester 2:	
Basic pelvic ultrasound 720	ULT 720 (14)
Ultrasound of small body parts 721	ULT 721 (14)
Elective module: Cardiac ultrasound 722	ULT 722 (12)
Elective module: Obstetrics 723	ULT 723 (12)
Elective module: General 724	ULT 724 (12)
Elective module: Vascular 725	ULT 725 (12)

(ii) **Year 2**

(Credit value of each module indicated in brackets)

Module	Module code
Semester 3:	
Abdominal ultrasound 730	ULT 730 (14)
Obstetric ultrasound 731	ULT 731 (14)
Elective module: Cardiac ultrasound 732	ULT 732 (12)
Elective module: Obstetrics 733	ULT 733 (12)
Elective module: General 734	ULT 734 (12)
Elective module: Vascular 735	ULT 735 (12)
Semester 4:	
Pelvic ultrasound 740	ULT 740 (8)
Elective module: Cardiac ultrasound 742	ULT 742 (12)
Elective module: Obstetrics 743	ULT 743 (12)
Elective module: General 744	ULT 744 (12)
Elective module: Vascular 745	ULT 745 (12)
Final written examination 750	ULT 750 (-)
Practical examination 751	ULT 751 (-)

Select one of the following at the end of the first semester:

Cardiac ultrasound

Obstetrics

General

Vascular

- (d) **Total number of credits required**
120
- (e) **Examinations and pass requirements**
- (i) Students must obtain a minimum mark of 50% in all the practical assessments and assignments assigned every semester.
 - (ii) A practical examination (ULT 751) will take place at the end of the two-year programme.
 - (iii) The final written examination (ULT 750) takes the form of a portfolio of the continuous written assessments completed during each module.
 - (iv) A minimum final mark of 50% is required in both the portfolio and the practical examination to pass.
- (f) **Pass with distinction**
An average of at least 75% in all modules is required to obtain the diploma with distinction.

Special refresher course for medical practitioners

A one-week course for medical practitioners is presented annually by the School of Medicine with clinical presentations by various departments in the afternoons and evenings. The School also offers an annual intensive two-day course in one main field of study.

A medical practitioner who wishes to update his or her knowledge, may register as a special postgraduate student in the School of Medicine (Medicine Special). He or she will then have the opportunity to attend demonstrations and discussions and to participate in work as determined by the head of the department concerned.

Visiting postgraduate students (Code 10290001)

A medical practitioner or specialist physician may apply to register as a postgraduate visiting student for non-examination purposes for a period/s of one month or longer as preferred, during which period he or she may work in a department of his/her choice. The nature of this work will be determined by each head of department. Periods of time completed in this way, will not be recognised as periods of formal training for the purposes of specialisation.

Medicine Special (Undergraduate)

Individual modules – not for degree purposes.

Code	Description
10180001	Medicine Special (Undergraduate) Prinshof Campus
10185021	Medicine Special (Cuban students: Prinshof Campus)
10190001	Medicine Foreign (Non-examination purposes) Visiting Undergraduate

Medicine Special (Postgraduate) (Code 10280001)

Registration as a postgraduate candidate with a view to complete examinations in prerequisite subjects for MMed (with approval of the Chairperson of the School and heads of departments in question), until such time as a registrarship becomes available. Neither the University of Pretoria nor the province is under any obligation whatsoever, to appoint such a student as a registrar or to give him or her precedence over other candidates to be appointed.

List of modules offered in the Faculty of Health Sciences
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= Concurrent registration
() = Examination admission
dpw = discussions per week
GS = combined (final) mark (semester/year mark plus examination mark) of at least 40% - 49%
hpw = hours per week
LP = Lecturer's permission
lpw = lectures per week
ppw = practicals per week
spw = seminars per week
TDH = Permission by head of department
tpw = tutorials per week

ACO 171 Academic competency in oral health 171**Academic organisation:** Community Dentistry**Contact time:** 5 lpw 5 ppw**Period of presentation:** Semester 1**Language of tuition:** Double medium**Credits:** 12**Module content:**

This module will introduce the new oral hygiene student to the dental and university environment. It will also serve as the foundation for the total oral hygiene programme and will assist the student to feel more comfortable and settled in the new environment. This module entails the following:

- Professionalism and ethics
- Group work and communication
- Use of the library and correct referencing in assignments
- Academic skills such as academic writing and reading, effective studying and how to do assignments
- Dental terminology
- Dental specialities
- Dental instruments, equipment and materials
- Dental charting
- Infection control
- Occupational health and safety
- Brushing and flossing

AKU 100 Occupational science 100**Academic organisation:** Occupational Therapy**Contact time:** 2 lpw 8 ppw**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 25**Module content:**

The science and application of food preparation, painting and printing, games and sport, predetermined time standards (MODAPTS), biomechanics, normal development and various elective activities to promote engagement in meaningful occupation. Includes the facilitation of occupational performance as used in development in occupational therapy.

AKU 200 Occupational science 200**Academic organisation:** Occupational Therapy

Prerequisite: ANA 151, ANA 152, ANA 161, ANA 162, FSG 161, AKU 100, ART 100, MTL 180, GNK 286

Contact time: 4 ppw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 10

Module content:

The science and application of functional mobility (Activities of Daily Living), woodwork, needlework, appropriate paper technology (APT), gardening, music and dance to promote engagement in meaningful occupation. Includes the design and manufacture of assistive devices and adaptive equipment.

AKU 303 Occupational science 303

Academic organisation: Occupational Therapy

Prerequisite: FSG 251, FSG 252, FSG 261, FSG 262, AKU 200, ART 282, ART 284, RPD 200, ART 281, ART 283, ART 284

Contact time: 1 ppw 1 dpw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 25

Module content:

The study of normal development and the effect of ill health and disability in the areas of play, school/education and leisure. The science and application of occupational therapy principles to promote engagement in meaningful occupation taking into consideration personal and environmental contexts. Includes the pathology, causes, clinical picture and prognosis of selected conditions.

AKU 381 Occupational science 381

Academic organisation: Occupational Therapy

Prerequisite: FSG 251, FSG 252, FSG 261, FSG 262, AKU 200, ART 282, ART 284, RPD 200, ART 281, ART 283

Contact time: 2 spw 2 ppw 5 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 25

Module content:

The study of the effect of ill health and disability in the area of Activities of Daily Living (ADL). The science and application of occupational therapy principles to promote engagement in meaningful occupation, taking into consideration personal and environmental contexts. Includes the pathology, causes, clinical picture and prognosis of selected conditions.

AKU 382 Occupational science 382

Academic organisation: Occupational Therapy

Prerequisite: FSG 251, FSG 252, FSG 261, FSG 262, AKU 200, ART 282, ART 284, RPD 200, ART 281, ART 283, ART 284

Contact time: 2 ppw 4 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 25

Module content:

The study of the effect of ill health and disability in the area of work. The science and application of occupational therapy principles to promote engagement in meaningful occupation within the context of South African Disability Equity Legislation. Includes the pathology, causes, clinical picture and prognosis of selected conditions.

AKU 400 Occupational science 400

Academic organisation: Occupational Therapy

Prerequisite: ANP 210, RPD 380, AKU 381, AKU 382, ART 381, ART 382, ART 303, AIM 101, EOT 110, EOT 120 and [SEP 110 of ZUL 110]

Contact time: 2 other per week 1 spw 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 45

Module content:

Continued study in occupational science with emphasis on the areas of occupation. Integration and application of knowledge and skills in a community fieldwork setting, an elective vocational rehabilitation fieldwork setting and in an elective paediatric fieldwork setting.

ANA 111 Anatomy 111

Academic organisation: Anatomy

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 5

Module content:

Anatomy for communication pathology

This module is on the theory and practical experience of the structure of the organs involved with speech production and hearing excluding neuro-anatomy. Anatomical terminology and elementary study of tissues; gross anatomy of structures involved with speech production and hearing: larynx, skeletal components and muscles involved with respiration, viscera of the respiratory system, bones and paranasal sinuses of the skull, synopsis of the cranial nerves, structure of the viscera of the vocal tract, structure of the ear; embryology of the face, palate, tongue, larynx and ear.

ANA 121 Introduction: Human anatomy and embryology 121

Academic organisation: Anatomy

Prerequisite: MLB111 and CMY117

Contact time: 1 lpw 1 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 4

Module content:

Terminology, musculo-skeletal system, nervous system, surface anatomy, cardiovascular system, respiratory system, urogenital system, gastro-intestinal system, endocrine system, introductory osteology and joints, introductory embryology.

ANA 122 Human osteology 122

Academic organisation: Anatomy

Contact time: 1 ppw 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 4

Module content:

Introduction to osteology, bone function and classification, humerus, radius, ulna, femur, tibia, fibula, clavicle, scapula, ribs, sternum, vertebrae, pelvis, hand and foot bones, sesamoid bones, skull, mandible, joints.

ANA 125 Human biology 125

Academic organisation: Anatomy

Contact time: 1 ppw 1 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 3

Module content:

Introduction to human biology, human evolution, human beings, primates and mammals, introduction to human genetics, population genetics, population variation in qualitative and quantitative traits, the concept "race". Introduction to skeletal biology. Human growth, measuring growth, human adaptability, modernisation and human biological response.

ANA 126 Basic human histology 126

Academic organisation: Anatomy

Prerequisite: CMY117 and MLB111

Contact time: 1 lpw 1 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 4

Module content:

General introduction to cells and tissue, terminology, the cell and cytoplasm, organelles and inclusions, surface and glandular epithelium, general connective tissue, specialised connective tissue, namely cartilage, bone, blood and haemopoietic tissue, muscle and nervous tissue.

ANA 151 Introduction to anatomy 151

Academic organisation: Anatomy

Contact time: 3 lpw 1 dpw 1 ppw

Period of presentation: Quarter 1

Language of tuition: English

Credits: 6

Module content:

A systematic approach to Anatomy, including general terminology, embryology and osteology, with the use of wet specimens. Introductory histology includes cytology, the nucleus and cell division, epithelial tissue, general connective tissue, cartilage and bone.

ANA 152 Anatomy of the limbs 152

Academic organisation: Anatomy

Contact time: 1 ppw 1 dpw 3 lpw

Period of presentation: Quarter 2

Language of tuition: English

Credits: 6

Module content:

Anatomy of the appendicular skeleton

A systematic approach to the Anatomy of the muscles, blood vessels, nerve supply, lymph drainage and joints of the upper and lower limbs, as well as surface anatomy, with the use of wet specimens. Introductory histology includes muscle tissue, nerve tissue, and blood and haemopoietic tissue.

ANA 161 Anatomy of the torso 161

Academic organisation: Anatomy

Contact time: 3 lpw 1 dpw 1 ppw

Period of presentation: Quarter 3

Language of tuition: English

Credits: 6

Module content:

A systematic approach to the anatomy of the thorax and its contents, the abdomen and its contents and the pelvis and its contents (organs, vascular systems, nerve supply, lymph drainage, muscles and joints), as well as surface anatomy, with the use of wet specimens. Introductory histology includes the histology of the lungs, liver and kidneys.

ANA 162 Anatomy of the head and neck 162**Academic organisation:** Anatomy**Contact time:** 3 lpw 1 dpw 1 ppw**Period of presentation:** Quarter 4**Language of tuition:** English**Credits:** 6**Module content:**

Anatomy of the head and neck, and neuroanatomy

A systematic approach to the anatomy of the head and neck regions, the senses and the central and peripheral nervous system (cranial nerves, autonomic nervous system), as well as surface anatomy, with the use of wet specimens.

ANA 171 Anatomy 171**Academic organisation:** Anatomy**Contact time:** 3 lpw 1 dpw**Period of presentation:** Semester 1**Language of tuition:** Double medium**Credits:** 8**Module content:**

The emphasis of the study in anatomy is particularly focused on all aspects of the oral cavity, but certain aspects of the anatomy of the head and neck is also included. This involves aspects of the osteology of the skull and jaw bones, the anatomy of the temporomandibular joint, salivary glands, nose, paranasal sinuses, pharynx, larynx and specific muscle groups as well as the cranial nerves, vascular supply and lymphatic drainage of the head and neck, as well as the radiographic features of some of the above.

ANA 181 Anatomy 181**Academic organisation:** Anatomy**Contact time:** 14 lpw 14 ppw**Period of presentation:** Semester 1**Language of tuition:** English**Credits:** 4**Module content:**

(Anatomy for BClinical Medical Practice)

Systemic clinical anatomy: cardiovascular and respiratory systems.

ANA 182 Anatomy 182**Academic organisation:** Anatomy**Contact time:** 14 ppw 14 lpw**Period of presentation:** Semester 2**Language of tuition:** English**Credits:** 4**Module content:**

(Anatomy for BClinical Medical Practice)

Systemic clinical anatomy; digestive and urogenital systems.

ANA 185 Anatomy 185**Academic organisation:** Anatomy**Contact time:** 8 lpw 1 dpw 3 ppw**Period of presentation:** Semester 1**Language of tuition:** English**Credits:** 21**Module content:**

Systemic clinical anatomy: cardiovascular, respiratory, digestive, urogenital, eye, ear nose and throat, nervous, musculoskeletal, skin and endocrine systems.

Surface and regional anatomy confined to specific diagnostic, therapeutic and emergency procedures.

ANA 214 Human cell and developmental biology 214

Academic organisation: Anatomy

Prerequisite: ANA121 and ANA126 and CMY127

Contact time: 2 lpw 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

Module content:

Functional review of the cell and cell content. Normal and abnormal cell function in relation to structure. Control of the human cell, heredity and the human genome. Cell communication, growth and development, adhesion and division. Aspects of cellular research. Techniques on how to study cells. Medical cell and molecular biology application.

NOTE: This module is not open to all students and may only be taken by BSc (Medical Sciences) students.

ANA 215 Paleoanthropology 215

Academic organisation: Anatomy

Contact time: 2 lpw 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

Module content:

Introduction to paleoanthropology, focusing on hominid fossil record, principles of evolution, principles of heredity, human variation, introduction to primatology, hominid taxonomy, time-frames and dating methods, fossilisation and taphonomy, trends in hominid evolution, hominid sites. Australopithecus, homo habilis, homo erectus, homo sapiens neanderthalensis, the origin of anatomically modern human beings, DNA studies, palaeo-environments, hominid diets, introduction to the development of culture, South African populations, human adaptation and modernisation.

ANA 217 Human anatomy 217

Academic organisation: Anatomy

Prerequisite: ANA121 and ANA122 and CMY127

Contact time: 2 lpw 2 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

Regional approach to human anatomy.

Cadaver dissection of the upper and lower limbs, back, thorax, abdomen, pelvis, perineum and genital area. Anatomical techniques.

NOTE: This module is not open to all students and may only be taken by BSc (Medical Sciences) students.

ANA 225 Paleoanthropology 225

Academic organisation: Anatomy

Prerequisite: ANA 122, ANA 125,

Contact time: 2 lpw 2 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 6

ANA 226 Human histology 226

Academic organisation: Anatomy

Prerequisite: ANA 126#

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 10

Module content:

General introduction to organ structure.

Terminology. The eye, ear, skin, circulatory system, nervous system, lymphoid system, gastrointestinal tract, gastrointestinal tract glands, respiratory system, urinary system, male and female reproductive systems, endocrine system.

NOTE: This module is not open to all students and may only be taken by BSc (Medical Sciences) students.

ANA 227 Human anatomy 227

Academic organisation: Anatomy

Prerequisite: ANA 217GS#

Contact time: 2 ppw 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 16

Module content:

Regional approach to human anatomy.

Cadaver dissection of the head, neck as well as neuro-anatomy. Anatomical techniques.

NOTE: This module is not open to all students and may only be taken by BSc (Medical Sciences) students.

ANA 281 Anatomy 281

Academic organisation: Anatomy

Contact time: 14 lpw 14 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 4

Module content:

(Anatomy for BClinical Medical Practice)

Systemic clinical anatomy; eye, ear, nose and throat and nervous system.

ANA 282 Anatomy 282

Academic organisation: Anatomy

Contact time: 14 ppw 14 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 4

Module content:

(Anatomy for BClinical Medical Practice)

Systemic clinical anatomy; musculoskeletal system, skin and endocrine system.

ANA 314 Human cell and development biology 314

Academic organisation: Anatomy

Contact time: 2 lpw 4 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

ANA 315 Forensic anthropology 315

Academic organisation: Anatomy

Prerequisite: ANA 122, ANA 215

Contact time: 2 lpw 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

Introduction to forensic anthropology, detection of graves, excavation of graves, human versus animal bone, forensic entomology, osteometry, cranial and post-cranial measurements, non-metric features of the skeleton, age determination, sex determination, race determination, ante-mortem stature, dental analysis, osteo-pathology, factors of individualisation, measurements of the face, introduction to face mapping and skull-photo superimposition, legal aspects.

NOTE: This module is not open to all students and may only be taken by BSc (Medical Sciences) students.

ANA 316 Histology techniques 316

Academic organisation: Anatomy

Prerequisite: ANA 226

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

General introduction to light and electron microscopic techniques: fixation, processing, imbedding, staining. Principles of different staining techniques for LM and EM: routine stains, proteins, carbohydrates, amino acids, metachromasia, immunocytochemistry, lectin stains, specialised stains. Principles of the operation of LM and EM: general LM, fluorescent microscopy, differential contrast microscopy, dark field microscopy, phase contrast microscopy, transmission and scanning electron microscopy.

ANA 317 Comparative anatomy 317

Academic organisation: Anatomy

Contact time: 2 ppw 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 4

ANA 324 Human cell and developmental biology 324

Academic organisation: Anatomy

Prerequisite: ANA 214, ANA 226

Contact time: 3 lpw 1 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 14

Module content:

Practical aspects of cell biology. Cell, tissue, organ, and organism culture. The biology of the culture environment. Cellular basis of morphogenesis, cleavage patterns and gastrulation. The early vertebrate development; neurulation, ecto-, meso- and endoderm derivatives. Cell destiny and embryonic axis including malformations. Development of the tetrapod limb and cell death. Cell interactions at a distance through hormones and metamorphosis.

NOTE: This module is not open to all students and may only be taken by BSc (Medical Sciences) students.

ANA 325 Forensic anthropology 325

Academic organisation: Anatomy

Contact time: 2 lpw 2 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 6

ANA 326 Histology techniques 326

Academic organisation: Anatomy

Contact time: 2 lpw 2 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 6

ANA 327 Comparative anatomy 327

Academic organisation: Anatomy

Prerequisite: ANA 121, ANA 122, ANA 217, ANA 227

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 14

Module content:

Introduction to comparative anatomy. Introduction to comparative osteology. Comparative anatomy of the appendicular skeleton. Comparative anatomy of the axial skeleton.

NOTE: This module is not open to all students and may only be taken by BSc (Medical Sciences) students.

ANA 328 Applied research techniques 328

Academic organisation: Anatomy

Prerequisite: ANA 315#, ANA 316#

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 8

Module content:

Introduction to research. Development of research project. Research skills. Completion of literature review.

NOTE: This module is not open to all students and may only be taken by BSc (Medical Sciences) students.

ANA 381 Anatomy 381

Academic organisation: Anatomy

Contact time: 20 lpw 20 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 2

Module content:

(Anatomy for BClinical Medical Practice)

Surface and regional anatomy confined to specific diagnostic procedures.

ANA 382 Anatomy 382

Academic organisation: Anatomy

Contact time: 20 lpw 20 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 2

Module content:

(Anatomy for BClinical Medical Practice)

Surface and regional anatomy confined to specific therapeutic and emergency procedures.

ANP 210 Anatomical pathology 210

Academic organisation: Anatomical Pathology

Prerequisite: [PHY 131,CMY 151,FSG 161,FSG 162,FTP 100,ANA 152,ANA 162] or [FSG 251,FSG 252,FSG 261,FSG 262,AKU 200,ART 282,ART 284,RPD 200,ART 281, ART 283] or [RAN 280,RAW 281,RAW 282,RAW 283]

Contact time: 1 spw 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

General principles of pathology, including necroses, reversible cell damage, reparation and abnormalities of growth, circulation disturbances, acute and chronic infections, classification of the spreading of tumours and carcinogenesis. Directed course in systematic pathology, with specific reference to cardiovascular system, respiratory system, locomotor system and neuropathology.

AOU 600 Anaesthesiology, orthopaedics and urology 600

Academic organisation: Orthopaedics

Contact time: 40 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 20

ART 100 Occupational therapy 100

Academic organisation: Occupational Therapy

Contact time: 1 other per week 2 dpw 2 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 16

Module content:

The study of occupational therapy roles, scope, domain, core knowledge and professional ethics. Includes the application of the process of occupational therapy intervention, tools of practice and theoretical frameworks.

ART 281 Occupational therapy 281

Academic organisation: Occupational Therapy

Prerequisite: ANA 151, ANA 152, ANA 161, ANA 162, FSG 161, FSG 162, AKU 100, ART 100, MTL 180, GNK 286

Contact time: 2 spw 2 other per week 2 ppw 4 dpw

Period of presentation: Quarter 4

Language of tuition: Double medium

Credits: 12

Module content:

Neurology: The study of occupational therapy evaluation and intervention of neurological conditions in all age groups. Includes the pathology, causes, clinical picture and prognosis of selected conditions.

ART 282 Occupational therapy 282

Academic organisation: Occupational Therapy

Prerequisite: ANA 151, ANA 152, ANA 161, ANA 162, FSG 161, FSG 162, AKU 100, ART 100, MTL 180, GNK 286

Contact time: 4 dpw 2 other per week 2 ppw 2 spw

Period of presentation: Quarter 3

Language of tuition: Double medium

Credits: 12

Module content:

Mental Health: The study of occupational therapy evaluation and intervention of psychosocial disorders in all age groups. Includes the pathology, causes, clinical picture and prognosis of selected disorders.

ART 283 Occupational therapy 283

Academic organisation: Occupational Therapy

Prerequisite: ANA 151, ANA 152, ANA 161, ANA 162, FSG 161, FSG 162, AKU 100, ART 100, MTL 180, GNK 286

Contact time: 2 ppw 2 other per week 4 dpw 2 spw

Period of presentation: Quarter 1

Language of tuition: Double medium

Credits: 12

Module content:

Biomechanics: The study of occupational therapy evaluation and intervention of the conditions of the musculoskeletal system in all age groups. Includes the pathology, causes, clinical picture and prognosis of selected conditions.

ART 284 Occupational therapy 284

Academic organisation: Occupational Therapy

Prerequisite: ANA 151, ANA 152, ANA 161, ANA 162, FSG 161, FSG 162, AKU 100, ART 100, MTL 180, GNK 286

Contact time: 2 other per week 2 spw 4 dpw 2 ppw

Period of presentation: Quarter 2

Language of tuition: Double medium

Credits: 14

Module content:

Sensory-motor and cognition: The study of occupational therapy evaluation and intervention of sensory-motor and cognitive disorders in all age groups. Includes the pathology, causes, clinical picture and prognosis of selected disorders.

ART 381 Occupational therapy 381

Academic organisation: Occupational Therapy

Prerequisite: FSG 251, FSG 252, FSG 261, FSG 262, AKU 200, ART 282, ART 284, RPD 200, ART 281, ART 283

Contact time: 5 dpw 2 spw 2 ppw 20 other per week

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 20

Module content:

Continued study of occupational therapy for patients/clients with physical and neurological conditions. Facilitation of occupational performance through the application of assistive technologies and adaptations. Includes therapeutic apparatus, control interfaces, prosthesis and the selection, design and manufacture of splints.

ART 382 Occupational therapy 382

Academic organisation: Occupational Therapy

Prerequisite: FSG 251, FSG 252, FSG 261, FSG 262, AKU 200, ART 282, ART 284, RPD 200, ART 281, ART 283

Contact time: 2 spw 5 dpw 4 other per week 2 ppw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 20

Module content:

The application of therapeutic group techniques, stress management and interpersonal techniques in counselling. Includes the study of occupational therapy evaluation and intervention of psychiatric disorders in childhood.

ART 401 Occupational therapy 401

Academic organisation: Occupational Therapy

Prerequisite: ANP 210, RPD 380, SEP 110/ZUL 110, AKU 303, AKU 381, AKU 382,

ART 381, ART 382, EOT 110, EOT 120, AIM 101.

Contact time: 2 spw 4 other per week 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 45

Module content:

Continued study of occupational therapy for patients/clients with physical and neurological conditions. Integration and application of knowledge and skills in a physical/neurological fieldwork setting.

ART 402 Occupational therapy 402

Academic organisation: Occupational Therapy

Prerequisite: ANP 210, RPD 380, SEP 110/ZUL 110, AKU 303, AKU 381, AKU 382, ART 381, ART 382, EOT 110, EOT 120, AIM 101.

Contact time: 1 dpw 2 spw 4 other per week

Period of presentation: Year

Language of tuition: Double medium

Credits: 45

Module content:

Continued study of occupational therapy for mental healthcare users. Integration and application of knowledge and skills in a mental health fieldwork setting.

BOK 121 Molecule to organism 121

Academic organisation: Anatomy

Prerequisite: CMY 151,PHY 131,FIL 155,MLB 111,AIM 101,MGW 112,MTL 180,

Contact time: 7 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 40

Module content:

(a) Molecule to cell (2 weeks)

The principles of physiology, chemistry and genetics applicable to man. Macro molecules, lipids, carbohydrates and protein. Introductory genetics: molecular evolution, gene structure and transmission, genetic control of the cell cycle and genetic defects. Impulse conduction and muscle contraction. Nerve potentials.

(b) Cell to tissue (4 weeks)

Gamatogenesis, embryogenesis, embryopathy, histology and incidence of tissue types. The immune system and its components. Tissue specificity, genetic control of expression and factors influencing gene expressions.

(c) Tissue to organism (2 weeks)

Anatomical terminology and introduction to the systemic and functional organisation of the human body. Arrangement of tissues in organs. Life stages of man.

BOK 280 Homeostasis 280

Academic organisation: Forensic Health Sciences

Prerequisite: CMY 151,GNK 120,GNK 127,MLB 111,PHY 131,GNK 128,BOK 121,MGW 112,FIL 155,MTL 180,SMO 121,AIM 101,EOT 110,EOT 120

Contact time: 18 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 42

Module content:

(a) Intermediary metabolism (3 weeks)

Carbohydrate and lipid metabolism; protein and energy metabolism; vitamins and minerals. Integration of metabolism. Practical work: Protein electrophoresis.

- (b) Control (3 weeks)
Nerve control; endocrine control.
- (c) Internal milieu (3 weeks)
Water balance and blood physiology. Acid-base equilibrium, clinical haematology.
Practical work: Haematology.

BOK 281 Pathological conditions and infectious diseases 281

Academic organisation: Anatomical Pathology

Prerequisite: CMY 151,GNK 120,GNK 127,MLB 111,PHY 131,GNK 128,BOK 121,MGW 112,FIL 155,MTL 180,SMO 121,AIM 101,EOT 110,EOT 120

Contact time: 12 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 45

Module content:

- (a) General pathology and immunology (4 weeks)
Cell damage; growth and repair; infection; disturbances in circulation; HLA system; immune response; hypersensitivity; auto-immunity and transplant immunology. Anatomy of the lymphatic system.
- (b) Principles of malignancies (1 week)
Oncogenesis; terminology and biological behaviour of tumours; principles of therapy.
- (c) Principles of infectious diseases (3 weeks)
This module deals with the basic principles and systematic classification and clinical picture of bacteria, viral parasitic and fungal infections of importance to man. The pharmacological aspects of antibacterial and antiviral chemotherapy will also be dealt with. A short introduction to epidemiology will also be presented. The practical aspects of the microbiology which includes virology, will be demonstrated in the practical sessions.
- (d) Infectious diseases (2 weeks)
This comprehensive module covers all aspects of the most prominent infectious diseases in man, such as tuberculosis, immuno-deficiency syndrome, malaria, gastro-enteritis, haemorrhagic fever, typhoid, bilharzia and sexually transmitted diseases. The module is problem-orientated, multidisciplinary and presented in the form of case studies and group discussions. The module also deals with certain important topics such as surgical infections, nosocomial infections, opportunistic infections, trauma and associated infection. The microbiology of special environments will also be discussed.

BOK 283 People and their environment 283

Academic organisation: Psychiatry

Prerequisite: CMY 151,GNK 120,GNK 127,MLB 111,PHY 131,GNK 128,BOK 121,MGW 112,FIL 155,MTL 180,SMO 121,AIM 101,EOT 110,EOT 120

Contact time: 5 spw 5 ppw 8 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 31

Module content:

People and their environment (4 weeks)

Interpersonal skills; contextual and environmental aspects within which patients develop and live with their specific problems; medical ethics with regard to the community, patients and the medical profession; the role and duties of the medical practitioner within the South African legal system, especially with regard to interpersonal violence in society, injuries, the process of dying and death; genetic disability in the South African society; public health and health research in the community.

BOK 284 People and their environment 284

Academic organisation: Forensic Health Sciences

Prerequisite: CMY 151,GNK 120,GNK 127,MLB 111,PHY 131,GNK 128,BOK 121,MGW 112,FIL 155,MTL 180,SMO 121,AIM 101,EOT 110,EOT 120

Contact time: 12 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 31

Module content:

(a) People and their environment (4 weeks)

Interpersonal skills; contextual and environmental aspects within which patients develop and live with their specific problems; medical ethics with regard to the community, patients and the medical profession; the role and duties of the medical practitioner within the South African legal system, especially with regard to interpersonal violence in society, injuries, the process of dying and death; genetic disability in the South African society; public health and health research. This section of the module can only be taken by medical students.

(c) Forensic medicine (Pathology) (2 weeks)

Medicine and law: points of tangency; medical law; thanatology; forensic pathology and forensic medicine.

BOK 285 Pathological conditions 285

Academic organisation: Anatomical Pathology

Prerequisite: CMY 151, FIL 155, MGW 112, MLB 111, MTL 180, PHY 131, AIM 101, EOT 110, BOK 121, GNK 120, GNK 127, GNK 128, EOT 120, LCP 180, SMO 121.

Contact time: 18 lpw 1 dpw 3 ppw 3 spw

Period of presentation: Semester 2

Language of tuition: English

Credits: 22

Module content:

Basic principles of pathology and immunology applicable to disease processes. The principles of tumour genetics, pathology and dissemination of tumours.

BOK 287 Infectious diseases 287

Academic organisation: Medical Microbiology

Prerequisite: CMY 151, FIL 155, MGW 112, MLB 111, MTL 180, PHY 131, AIM 101, EOT 110, BOK 121, GNK 120, GNK 127, GNK 128, EOT 120, LCP 180, SMO 121.

Contact time: 15 lpw 8 ppw 8 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 23

Module content:

The study of micro organisms which cause disease in the human body. This module entails the study of the interaction of micro-organisms with the human host which results in disease.

BOK 380 Abdomen and mamma 380

Academic organisation: Surgery

Prerequisite: BOK 280,GNK 288,BOK 284,GPS 280,BOK 281,GNK 283,GNK 286,

Contact time: 12 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 50

Module content:

(a) Abdomen and abdominal problems

(b) Mamma

A study of the anatomy and functions, as well as the diseases of the different organs in the abdominal cavity including conditions of the abdominal wall. Furthermore, lectures on the clinical conditions of the mamma will be presented.

BOK 382 Pregnancy and neonatology 382

Academic organisation: Obstetrics and Gynaecology

Prerequisite: BOK 280,GNK 288,BOK 284,GPS 280,BOK 281,GNK 283,GNK 286

Contact time: 12 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 55

Module content:

(a) Pregnancy

(b) Neonatology

The study of the natural physiological complexes and pathological conditions concerning pregnancy and birth. Different learning opportunities and situations are used, including prenatal clinics, labour wards and neonatal units. Emphasis is placed on acquiring scientifically-based information, as well as important practical and clinical skills. The behavioural sciences are also included in the block, as well as the social, family and community-related aspects.

(c) Growth and development (2 weeks)

A study of the unique aspects of the physical growth and neuro-development of a normal child. Learning opportunities are presented to the student to identify problems concerning growth and development, as well as evaluating and handling children with abnormal growth and development. Emphasis is placed on the prevention, evaluation and handling, as well as the effective treatment with a decided result. This block integrates with the previous block in order to enable the student to understand the continuum of growth and neuro-development from the prenatal to the post-natal milieu.

BOK 480 Genital and urinary tract diseases 480

Academic organisation: Obstetrics and Gynaecology

Prerequisite: GNK 381,GNK 383,BOK 380,GNK 386,GPS 380,BOK 382,SMO 380,SMO 311,SMO 382

Contact time: 12 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 62

Module content:

Module 1: Genital conditions

Module 2: Urinary tract disease

A study of the disorders of the urinary tract and genital systems in males and in females. Theoretical and practical instruction is used to integrate basic science and clinical medicine. Important clinical skills must be mastered.

BOK 482 Nervous system 482

Academic organisation: Neurology

Prerequisite: GNK 381,GNK 383,BOK 380,GNK 386,GPS 380,BOK 382,GNK 488#,SMO 311,SMO 380,SMO 382

Contact time: 5 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 28

Module content:

Discussion of the important diseases of the central, peripheral and autonomic nervous system with a view to obtaining a total overview of the specific diseases, which will include anatomy, physiology, pathology, pharmacology, clinical neurology, clinical Neurosurgery and neuropaediatrics.

CHP 300 Chemical pathology 300

Academic organisation: Chemical Pathology

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 3

CHP 301 Chemical pathology 301

Academic organisation: Chemical Pathology

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 3

CHP 400 Chemical pathology 400

Academic organisation: Chemical Pathology

Contact time: 17 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 6

CMP 181 Introduction to clinical medical practice 181

Academic organisation: Family Medicine

Contact time: 2 dpw 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 13

Module content:

Introduction to the Faculty of Health Sciences, curriculum and cultural differences. Basic theory and skills in respect of health assessment and physical examination, health promotion and disease prevention by means of group discussions, self-tuition and practical sessions in the hospital and skills laboratory. A problem-oriented and interdisciplinary approach is emphasised.

CMP 182 Clinical medical practice 182

Academic organisation: Family Medicine

Contact time: 5 ppw 2 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 56

Module content:

Basic theory and skills in respect of health assessment and physical examination, health promotion and disease prevention of the cardio/peripheral, reticulo-endothelial, respiratory, gastro-intestinal, genito-urinary, central nervous system, head, neck, eye, ear, nose, throat, musculo-skeletal, endocrine, dermatological systems by means of group discussion, self-tuition and practical sessions in the hospital and skills laboratory. A problem-oriented and interdisciplinary approach is emphasised.

CMP 281 Clinical medical practice 281

Academic organisation: Family Medicine

Contact time: 2 dpw 5 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 68

Module content:

Basic theory and skills in respect of the health promotion, disease prevention, diagnosis and treatment of diseases of cardio/peripheral, vascular, reticulo-endothelial, endocrine, respiratory and gastro-intestinal systems by means of group discussions, self-tuition and practical sessions in the hospital and skills laboratory. A problem-oriented and interdisciplinary approach is emphasised. Emphasis is placed on the diagnosis and treatment of the most prominent conditions as well as the acquiring of practical and clinical skills.

CMP 282 Clinical medical practice 282

Academic organisation: Family Medicine

Contact time: 2 dpw 5 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 68

Module content:

Basic theory and skills in respect of the health promotion, disease prevention, diagnosis and treatment of diseases of genito-urinary, central nervous system, head, neck, eye, ear, nose, throat, skin and musculo-skeletal systems by means of group discussions, self-tuition and practical sessions in the hospital and skills laboratory. A problem-oriented and interdisciplinary approach is emphasised. Emphasis is placed on the diagnosis and treatment of the most prominent conditions as well as the acquiring of practical and clinical skills.

CMP 380 Healthcare systems 380

Academic organisation: Family Medicine

Contact time: As needed for assignment

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

Module content:

Study of healthcare systems with emphasis on district health systems.

CMP 381 Women's health 381

Academic organisation: Family Medicine

Contact time: 2 dpw 5 ppw

Period of presentation: Semester 1 and/or 2

Language of tuition: English

Credits: 24

Module content:

Theory and skills in respect of the health promotion, disease prevention, diagnosis and treatment of diseases affecting women by means of group discussions, self-tuition and practical sessions in the hospital and skills laboratory. A problem-oriented and interdisciplinary approach is emphasised. Emphasis is placed on the diagnosis and treatment of the most prominent conditions as well as the acquiring of practical and clinical skills.

CMP 382 Child health 382

Academic organisation: Family Medicine

Contact time: 2 dpw 5 ppw

Period of presentation: Semester 1 and/or 2

Language of tuition: English

Credits: 24

Module content:

Basic theory and skills in respect of the health promotion, disease prevention, diagnosis and treatment of diseases of children by means of group discussions, self-tuition and practical sessions in the hospital and skills laboratory. A problem-oriented and interdisciplinary approach is emphasised. Emphasis is placed on the diagnosis and treatment of the most prominent conditions as well as the acquiring of practical and clinical skills.

CMP 383 Emergency care 1 383

Academic organisation: Family Medicine

Contact time: 2 dpw 5 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

Module content:

Theory and skills training in basic emergency care.

CMP 384 Infectious and chronic diseases 384

Academic organisation: Family Medicine

Contact time: 2 dpw 5 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 36

Module content:

Theory and skills in respect of the disease prevention, diagnosis and treatment of infectious and chronic diseases by means of group discussions, self-tuition and practical sessions in the hospital and skills laboratory. A problem-oriented and interdisciplinary approach is emphasised. Emphasis is placed on the diagnosis and treatment of the most prominent conditions as well as the acquiring of practical and clinical skills.

CMP 385 Anaesthetics 385

Academic organisation: Family Medicine

Contact time: 3 dpw 5 ppw

Period of presentation: Semester 1 and/or 2

Language of tuition: English

Credits: 12

Module content:

An introduction to the underlying principles of the theory and practice of anaesthesiology applicable to the clinical associate practice.

CMP 386 Mental health 386

Academic organisation: Family Medicine

Contact time: 5 ppw 2 dpw

Period of presentation: Semester 1 and/or 2

Language of tuition: English

Credits: 16

Module content:

Theory and skills in respect of the disease prevention, diagnosis and treatment of mental health problems by means of group discussions, self-tuition and practical sessions in the hospital and skills laboratory. A problem-oriented and interdisciplinary approach is emphasised. Emphasis is placed on the diagnosis and treatment of the most prominent conditions as well as the acquiring of practical and clinical skills.

CMP 387 Orthopaedics 387

Academic organisation: Family Medicine

Contact time: 2 dpw 5 ppw

Period of presentation: Semester 1 and/or 2

Language of tuition: English

Credits: 12

Module content:

Theory and skills in respect of the disease prevention, diagnosis and treatment of orthopaedic diseases and problems by means of group discussions, self-tuition and practical sessions in the hospital and skills laboratory. A problem-oriented and interdisciplinary approach is emphasised. Emphasis is placed on the diagnosis and treatment of the most prominent conditions as well as the acquiring of practical and clinical skills.

CMP 389 Emergency care 2 389

Academic organisation: Family Medicine

Contact time: 5 ppw 2 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

Module content:

Theory and practical training in emergency care. A problem-oriented and interdisciplinary approach is emphasised. Emphasis is placed on the diagnosis and treatment of the most prominent conditions as well as the acquiring of practical and clinical skills.

CNT 310 Community nutrition 310

Academic organisation: Human Nutrition

Prerequisites: 3rd-year status

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

Module content:

Community nutrition practice within the larger public health realm. Nutrition within primary health care. Nutrition and community development as well as project planning and management

CNT 320 Community nutrition 320

Academic organisation: Human Nutrition

Prerequisites: 3rd-year status

Contact time: 1 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 3

Module content:

A project on community profiling and primary health care nutrition services in South Africa.

CNT 411 Community nutrition 411

Academic organisation: Human Nutrition

Prerequisite: FLG 312,FLG 314,FAR 381,FAR 382,MRZ 310,NTA 313,RCH 310,DTT 310,VDS 320,VDB 320

Contact time: 4 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 25

Module content:

Community nutrition in the South African context, food security, nutrition needs assessments, analysis of cause, intervention with regard to programme planning for nutrition

education, food supplementation, various micro-nutrient approaches, application to vulnerable groups.

CNT 480 Internship training in community nutrition 480

Academic organisation: Human Nutrition

Prerequisite: DTT 310, DTT 320, FAR 381, FAR 382, FLG 312, FLG 314, GSO 180, GSO 181, GSO 182, MNX 322

Contact time: 5 dpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 35

COU 371 Counselling 371

Academic organisation: Community Dentistry

Prerequisites: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: English

Credits: 5

Module content:

This module will equip the oral hygiene student with the theoretical underpinning for behavioural change and the necessary skills to counsel a patient on lifestyle behavioural change. This would include, but not limited to promoting a healthy diet and smoking cessation. This would consist of both lectures and practical sessions with clients/patients.

DNE 110 Didactics of nursing education 110

Academic organisation: Nursing Science

Contact time: 2 lpw 1 other per week

Period of presentation: Semester 1

Language of tuition: English

Credits: 6

Module content:

Learning strategies and educational media.

Developing teaching strategies and designing audiovisual aids and evaluation tools.

Theory of didactics.

Cognitive and intellectual functioning of adults. Educational relations.

DNE 120 Didactics of nursing education 120

Academic organisation: Nursing Science

Contact time: 2 lpw 1 other per week

Period of presentation: Semester 2

Language of tuition: English

Credits: 6

Module content:

Curriculum and programme development.

Application of the principles of curriculum building. Management of curricula, programmes and nursing schools.

Student guidance.

Learning problems and remedial practices. Student support systems. Learning theories.

DNE 160 Didactics of nursing education 160

Academic organisation: Nursing Science

Contact time: 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 3

Module content:

*Attendance modules only

Nursing education practical work.

Compulsory practical work, including the preparation and presentation of at least ten (10) lectures and five (5) clinical teaching sessions.

DNP 151 Dynamics of nursing practice 151

Academic organisation: Nursing Science

Contact time: 4 lpw 2 ppw

Period of presentation: Quarter 1

Language of tuition: English

Credits: 13

Module content:

Intra and interpersonal dimensions of the nurse.

Self-discovery, self-disclosure and self-awareness, professional socialisation and self-development. Self-evaluation and own journal assessment. Compilation of a personal portfolio. Interpersonal communication and contact: from the self to relationships.

Therapeutic use of the self. The therapeutic milieu. Contemporary dilemmas of identity.

The multiple self and multiple realities. Communication skills: a communication model for nursing. Management of conflict. Day planning and time management. Development

of a personal philosophy. Problem-solving and critical thinking skills.

NB: Only for selected BCur students.

DNP 152 Dynamics of nursing practice 152

Academic organisation: Nursing Science

Contact time: 2 ppw 4 lpw

Period of presentation: Quarter 2

Language of tuition: English

Credits: 13

Module content:

Assessment skills (including the assessment interview, assessment of mental needs, basic examination skills and vital signs), compilation of a database and needs list and the prioritisation of needs. Application of the scientific approach to nursing.

NB: Only for selected BCur students.

DNP 153 Dynamics of nursing practice 153

Academic organisation: Nursing Science

Contact time: 3 lpw 2 ppw

Period of presentation: Quarter 3

Language of tuition: English

Credits: 13

Module content:

Nursing management of emergency situations and disasters in the community. The need for emergency care. Provision of emergency medical services. The impact of emergency situations and disasters on the community. Unique needs in situations of exceptional distress. First aid and basic pre-hospital emergency care. Psychiatric emergencies: suicide risk, aggression, self-destructive behaviour and emotional trauma.

NB: Only for selected BCur students.

DNP 154 Dynamics of nursing practice 154

Academic organisation: Nursing Science

Contact time: 2 ppw 3 lpw

Period of presentation: Quarter 4

Language of tuition: English

Credits: 13

Module content:

Nursing facilitation of health promotion and illness prevention.

The Primary health care (PHC) approach and its underlying principles. Health promotion as part of the PHC approach. Models and approaches, planning and implementation of health promotion and illness prevention programmes. Health screening and its relevant assessment skills. Educational skills and the health service consumer in the teaching-learning situation. Disability and rehabilitation care as preventative and health promotive modality. The principles underlying rehabilitation care. Evaluation of health promotion and illness prevention programmes. Promotion of mental well-being: stress, conflict, substance abuse, violence and physical abuse.

NB: Only for selected BCur students.

DNP 251 Dynamics of nursing practice 251

Academic organisation: Nursing Science

Prerequisite: ANA 151, ANA 152, ANA 161, ANA 162, FSG 161, FSG 162, NUR 151, NUR 152, NUR 153, NUR 154

Contact time: 2 ppw 3 lpw

Period of presentation: Quarter 1

Language of tuition: English

Credits: 9

Module content:

Nurse-therapeutic contexts.

Ethical-legal aspects and health policy regarding mental illness. Organisation and institutions in psychiatric health care. Theoretical foundations of psychiatric nursing practice. The DSM classification system of mental disorders.

NB: Only for selected BCur students.

DNP 252 Dynamics of nursing practice 252

Academic organisation: Nursing Science

Prerequisite: ANA 151, ANA 152, ANA 161, ANA 162, FSG 161, FSG 162, NUR 151, NUR 152, NUR 153, NUR 154

Contact time: 3 lpw 2 ppw

Period of presentation: Quarter 2

Language of tuition: English

Credits: 9

Module content:

Acute and chronic mental disorders.

Nursing process applied in the psychiatric context. Psychopathology, abnormal and deviant behaviour. Common mental disorders: schizophrenia, affective, cognitive and anxiety disorders.

NB: Only for selected BCur students.

DNP 253 Dynamics of nursing practice 253

Academic organisation: Nursing Science

Prerequisite: ANA 151, ANA 152, ANA 161, ANA 162, FSG 161, FSG 162, NUR 151, NUR 152, NUR 153, NUR 154

Contact time: 2 lpw 2 ppw

Period of presentation: Quarter 3

Language of tuition: English

Credits: 9

Module content:

Nurse-therapeutic conversations, group therapy and comprehensive care.

Individual therapy: Facilitative communication and the one-to-one relationship.

Group: the group process, group dynamics, leadership and leadership functions and relevant assessment skills. Mental health education. Therapeutic milieu.

NB: Only for selected BCur students.

DNP 254 Dynamics of nursing practice 254

Academic organisation: Nursing Science

Prerequisite: ANA 151,ANA 152,ANA 161,ANA 162,FSG 161,FSG 162,NUR 151,NUR 152,NUR 153,NUR 154

Contact time: 2 ppw 2 lpw

Period of presentation: Quarter 4

Language of tuition: English

Credits: 9

Module content:

Therapeutic skills, mentally challenged and cultural issues.

Crisis intervention. Loss and grieving process. Mentally challenged individuals. Cultural sensitivity in mental health nursing.

NB: Only for selected BCur students.

DNP 351 Dynamics of nursing practice 351

Academic organisation: Nursing Science

Prerequisite: NUR 251,NUR 252,NUR 253,NUR 254,DNP 251,DNP 252,DNP 253,DNP 254,NPE 261,NPE 262

Contact time: 4 lpw 1 ppw

Period of presentation: Quarter 1

Language of tuition: English

Credits: 15

Module content:

Comprehensive family nursing.

Family life and family dynamics. Alternative families and lifestyles. Perspectives and approaches to comprehensive nursing care and support of families. Family violence and pathology. Marriage counselling and family therapy. Families in the perinatal period: unique needs and support (including basic antenatal and postnatal care).

NB: Only for selected BCur students.

DNP 352 Dynamics of nursing practice 352

Academic organisation: Nursing Science

Prerequisite: NUR 251,NUR 252,NUR 253,NUR 254,DNP 251,DNP 252,DNP 253,DNP 254,NPE 261,NPE 262

Contact time: 4 lpw 1 ppw

Period of presentation: Quarter 2

Language of tuition: English

Credits: 15

Module content:

Comprehensive community nursing.

Perspectives and approaches to comprehensive nursing care and support of communities. Relevant statutory control over primary health care (PHC) practices in South Africa. Relevant assessment skills. Sexually transmitted infections and communicable diseases. Therapeutic support of the community. Rehabilitative support of communities in need. Emphasis is placed on the facilitation and support of self-care related to physical, mental and environmental health and well-being.

NB: Only for selected BCur students.

DNP 353 Dynamics of nursing practice 353

Academic organisation: Nursing Science

Prerequisite: NUR 251,NUR 252,NUR 253,NUR 254,DNP 251,DNP 252,DNP 253,DNP 254,NPE 261,NPE 262

Contact time: 3 lpw 1 ppw

Period of presentation: Quarter 3

Language of tuition: English

Credits: 15

Module content:

NOTE: DNP 353 must be completed after DNP 354.

Principles of patient care management.

Planning, organising, leading and control in areas of direct patient care. Management in the rendering of patient care. Co-ordination of the multi- and transdisciplinary programme of treatment and rehabilitation. Aspects of professional practice. Introduction to labour law. Inspections of nursing and patient care units. The clinical practice setting as a teaching-learning situation and the principles of adult learning.

NB: Only for selected BCur students.

DNP 354 Dynamics of nursing practice 354

Academic organisation: Nursing Science

Prerequisite: NUR 251, NUR 252, NUR 253, NUR 254, DNP 251, DNP 252, DNP 253, DNP 254, NPE 261, NPE 262

Contact time: 3 lpw 1 ppw

Period of presentation: Quarter 4

Language of tuition: English

Credits: 15

Module content:

Note: DNP 354 must be completed prior to DNP 353.

Primary curative nursing for common and uncomplicated disease conditions.

Common and uncomplicated health problems related to the cardiovascular, respiratory, digestive, neurological, musculo-skeletal and genito-urinary system and infectious diseases of infancy and childhood, adulthood and the elderly. Complaints of the eyes. Musculoskeletal pain/dysfunction and non-traumatic bone/joint pain.

Relevant assessment skills. Applied human nutrition.

NB: Only for selected BCur students.

DNP 451 Dynamics of nursing practice 451

Academic organisation: Nursing Science

Prerequisite: NUR 351, NUR 352, NUR 353, NUR 354, DNP 351, DNP 352, DNP 353, DNP 354, NPE 361, NPE 362

Contact time: 2 ppw 3 lpw

Period of presentation: Quarter 1

Language of tuition: English

Credits: 10

Module content:

Principles of nursing management and professional leadership in clinical nursing practice.

Applied principles of general management, human resources management, marketing and public relations and financial management. Leadership and leadership development: perspectives, trends and contemporary practice issues. Principles of management in selected emergency situations. Labour law and labour relations.

NB: Only for selected BCur students.

DNP 452 Dynamics of nursing practice 452

Academic organisation: Nursing Science

Prerequisite: NUR 351, NUR 352, NUR 353, NUR 354, DNP 351, DNP 352, DNP 353, DNP 354, NPE 361, NPE 362

Contact time: 2 ppw 3 lpw

Period of presentation: Quarter 2

Language of tuition: English

Credits: 10

Module content:

Principles of professional practice, nursing staff development and teaching in clinical nursing practice.

Nursing science, ethics and the law. Contemporary practice issues derived from the ethos and professional practice of nursing. Professional self-regulation and the organised nursing profession. Private nursing practice. Planning, implementation and evaluation of clinical teaching and in-service training programmes, continuing professional development and life-long learning.

NB: Only for selected BCur students.

DTT 110 Dietetic profession 110

Academic organisation: Human Nutrition

Contact time: 2 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

Module content:

Philosophy, development and challenges of the dietetic profession in a South African context.

DTT 121 Application of communication principles in dietetics 121

Academic organisation: Human Nutrition

Contact time: 2 lpw 1 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 8

Module content:

Oral and written application of communication principles in dietetics.

DTT 120 Dietetic profession 120

Academic organisation: Human Nutrition

Contact time: 2 lpw 1 dpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 16

Module content:

Philosophy, development and challenges.

DTT 222 Dietetic application of communication principles 222

Academic organisation: Human Nutrition

Prerequisite: 2nd-year status

Contact time: 2 lpw 1 dpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 18

Module content:

The application of communication principles in nutrition instruction. Theoretical frameworks, knowledge and skills, planning and evaluation of content; teaching aids.

DTT 310 Dietetic counselling 310

Academic organisation: Human Nutrition

Prerequisite: FLG 221,FLG 222,BCM 261,BCM 262,VDS 221,HNT 220, BCM 251, BCM 252,GMB 252

Contact time: 2 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 20

Module content:

Theory of counselling. Interviewing: Interview; the consultation process; verbal, written

and non-verbal communication to clients, patients, employees as individuals or groups in different stages of the life cycle in health and disease in homogenic and trans/multi-cultural situations by means of applicable theoretical frameworks.

DTT 320 Clinic and discussion class 320

Academic organisation: Human Nutrition

Prerequisite: BCM 251,BCM 252,BCM 261,BCM 262,DTT 222,FLG 211,FLG 221,FLG 222,GMB 252

Contact time: 1 dpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 6

Module content:

Practice training: Management of a dietetics clinic. Practising the consultation process and practice management in a dietetics clinic.

DTT 411 Dietetics profession 411

Academic organisation: Human Nutrition

Prerequisite: FLG 312,FLG 314,FAR 381,FAR 382,MRZ 310,NTA 313,RCH 310,DTT 310,VDS 320,VDB 320

Contact time: 1 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 5

Module content:

Dietetics profession.

DTT 480 Integration in dietetics 480

Academic organisation: Human Nutrition

Prerequisite: FLG 312,FLG 314,FAR 381,FAR 382,MRZ 310,NTA 313,RCH 310,DTT 310,VDS 320,VDB 320

Contact time: 1 spw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 4

Module content:

*Attendance module only

EXE 252 Applied nutrition 252

Academic organisation: Human Nutrition

Prerequisite: EXE 152

Contact time: 3 lpw

Period of presentation: Quarter 2

Language of tuition: Double medium

Credits: 8

Module content:

*Service module offered by the Department of Human Nutrition for Biokinetics, Sport and Leisure Sciences.

*Closed – requires departmental selection.

Food environment, nutrition during growth, nutrition and physical fitness, nutrition and stress management.

FAR 171 Pharmacology 171

Academic organisation: Pharmacology

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 5

Module content:

The module will provide the oral hygiene student with appropriate pharmacological knowledge and understanding of drugs that necessitate treatment modification to the patient's treatment plan. The oral hygiene student will be equipped with a practical understanding of pharmaco-therapeutic concepts which are essential for prescribing medicaments used for oral hygiene, and to make an informed choice of a safe suitable local anaesthetic drug for the administering thereof to a patient. He/she must be able to apply knowledge of pharmacology in the clinical setting and in performing procedures pertaining to the scope of oral hygiene.

FAR 180 Pharmacology 180

Academic organisation: Pharmacology

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 2

Module content:

Introductory principles to clinical pharmacotherapy. Core pharmacotherapy and applicable clinical aspects of the most general and prominent diseases and conditions.

FAR 280 Pharmacology 280

Academic organisation: Pharmacology

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 2

Module content:

Introductory principles to clinical pharmacotherapy. Core pharmacotherapy and applicable clinical aspects of the most general and prominent diseases and conditions.

FAR 300 Pharmacology 300

Academic organisation: Pharmacology

Contact time: 4 lpw 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 16

FAR 307 Pharmacology 307

Academic organisation: Pharmacology

Contact time: 1 dpw 2 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 9

FAR 370 Clinical pharmacotherapy 370

Academic organisation: Pharmacology

Prerequisite: BOK 280,BOK 281,BOK 283,GNK 286,GNK 288,GPS 280,IKT 200,SMO 211,SMO 281

Contact time: 2 lpw 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 8

Module content:

Introductory principles of clinical pharmacotherapy in view of applicable patient problems, receptors for medicines, principles of structure activity relationships, dynamic and kinetic principles to bring pharmacological principles and clinical therapy together in a problem-based curriculum.

FAR 380 Dispensing 380

Academic organisation: Pharmacology

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 4

Module content:

To attain the necessary knowledge and skills needed to successfully apply for a license to dispense, the module focuses on the minimum criteria set by the South African Pharmacy Council. Particular focus is placed on practical dispensing skills, integration of knowledge and skills, appropriate prescribing, legally sound prescription methods and proper communication.

FAR 381 Pharmacology 381

Academic organisation: Pharmacology

Prerequisite: FLG 211, FLG 212, FLG 221, FLG 222

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 20

Module content:

Introduction, receptors, antagonism, kinetic principles, drugs that impact upon the autonomic and central nervous system, pharmacotherapy of hypertension, angina pectoris, myocardial infarction, heart failure, arrhythmias, and epilepsy. Diuretics, glucocorticosteroids, local anaesthetics, anaesthetic drugs, analgesics, iron and vitamins, oncostatics and immuno suppressants.

FAR 382 Pharmacology 382

Academic organisation: Pharmacology

Prerequisite: FAR 381, FLG 211, FLG 212, FLG 221, FLG 222

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 15

Module content:

Hormones, drugs that act on the histaminergic, serotonergic, and dopaminergic receptors. Pharmacotherapy of diabetes mellitus, schizophrenia, depression, obesity, anxiety, insomnia, gastro-intestinal diseases. Anticoagulants, antimicrobial drugs.

FAR 383 Pharmacology 383

Academic organisation: Pharmacology

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 5

FAR 384 Pharmacology 384

Academic organisation: Pharmacology

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 4

FLG 170 Physiology 170

Academic organisation: Physiology

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 3

Module content:

Physiology is the study of organisms at a cellular and system level. Physiology will provide the student with the necessary knowledge to understand functioning and abnormalities of the human body, the vital organs necessary for normal functioning and the systems that provide essential communication for the control of the body functions and homeostasis.

FLG 171 Physiology 171

Academic organisation: Physiology

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

Module content:

Physiology is the study of organisms at a cellular and system level. Physiology will provide the oral hygiene student with the necessary knowledge to understand functioning and abnormalities of the human body, the vital organs necessary for normal functioning and the systems that provide essential communication for the control of the body functions and homeostasis. The module content will serve as preknowledge for clinical subjects.

FLG 211 Introductory and neurophysiology 211

Academic organisation: Physiology

Prerequisite: CMY 117, CMY 127, MLB 111, PHY 131 or PHY 171

Contact time: 2 lpw 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

Orientation in physiology, homeostasis, cells and tissue, muscle and neurophysiology, cerebrospinal fluid and the special senses.

Practical work: Experimental physiology to complement the theory.

FLG 212 Circulatory physiology 212

Academic organisation: Physiology

Prerequisite: CMY 117, CMY 127, MLB 111, PHY 131 or PHY 171

Contact time: 2 lpw 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 16

Module content:

Body fluids; haematology; cardiovascular physiology and the lymphatic system. Practical work: Practical exercises and experimental physiology.

FLG 221 Lung and renal physiology, acid-base balance and temperature 221

Academic organisation: Physiology

Prerequisite: FLG 211, FLG 212

Contact time: 2 lpw 1 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 16

Module content:

Structure, gas exchange and secretory functions of the lungs; build, excretory and non-urinary functions of the kidneys, acid-base balance, as well as the skin and body temperature control.

Practical work: Practical exercises and experimental physiology.

FLG 222 Digestion, endocrinology and reproductive system 222

Academic organisation: Physiology

Prerequisite: FLG 211, FLG 212

Contact time: 1 ppw 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 16

Module content:

Nutrition, digestion and metabolism; hormonal control of the body functions and the reproductive systems.

Practical work: Experimental physiology.

FLG 311 Applied cellular physiology 311

Academic organisation: Physiology

Prerequisite: BCM 253 GS, BCM 254 GS, BCM 255 GS, BCM 256 GS, BCM 263 GS, BCM 264 GS, BCM 265 GS, BCM 266 GS, FLG 221 and FLG 222

Contact time: 1 lpw 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 14

Module content:

This module comprises studies of the cell cycle, signal transduction pathways involved, cell cycle defects and mutations, cellular radiosensitivity and the physiological role, morphological properties and biochemical mechanisms of apoptosis and autophagy.

Practical work: Exposure to applied cellular and in vitro cell culture techniques.

FLG 312 Developmental physiology 312

Academic organisation: Physiology

Prerequisite: Natural and Agricultural Sciences: GS for all of BCM 253, BCM 254, BCM 255, BCM 256, BCM 263, BCM 264, BCM 265, BCM 266, FLG 221 and FLG 222;

Health Sciences: BCM 253, BCM 254, BCM 255, BCM 256, BCM 263, BCM 264, BCM 265, BCM 266, FLG 221 and FLG 222

Contact time: 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 9

Module content:

Study of the physiological development and adaptations from the foetus through to the aged.

FLG 313 Research methodology and literature studies 313

Academic organisation: Physiology

Prerequisite: BCM 253 GS, BCM 254 GS, BCM 255 GS, BCM 256 GS, BCM 263 GS, BCM 264 GS, BCM 265 GS, BCM 266 GS, FLG 221 and FLG 222

Contact time: 1 dpw 1 ppw 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 14

Module content:

Research methodology, career planning, subject orientated literature studies and seminars.

Practical work: Preparation of research protocol, gathering of information (literature), writing of seminar.

FLG 314 Immunology 314

Academic organisation: Physiology

Prerequisite: Natural and Agricultural Sciences: GS for all of BCM 253, BCM 254, BCM 255, BCM 256, BCM 263, BCM 264, BCM 265, BCM 266, FLG 221 and FLG 222
Health Sciences: BCM 253, BCM 254, BCM 255, BCM 256, BCM 263, BCM 264, BCM 265, BCM 266, FLG 221 and FLG 222

Contact time: 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 9

Module content:

Introduction to basic, applied and integrated immunological mechanisms.

FLG 321 Immunology 321

Academic organisation: Physiology

Prerequisite: FLG 221, FLG 222, BCM 216, BCM 226, BCM 227, BCM 217

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 2

Module content:

Introduction to basic, applied and integrated immunological mechanisms.

FLG 322 Industrial physiology 322

Academic organisation: Physiology

Prerequisite: BCM 253 GS, BCM 254 GS, BCM 255 GS, BCM 256 GS, BCM 263 GS, BCM 264 GS, BCM 265 GS, BCM 266 GS, FLG 221 and FLG 222

Contact time: 1 lpw 1 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 14

Module content:

Problem-orientated module, with the emphasis on occupational health and safety in the industrial environment. Integration of different physiological systems is required.

Practical work: Exposure to occupational hygiene measurement techniques.

FLG 324 Exercise physiology 324

Academic organisation: Physiology

Prerequisite: BCM 253 GS, BCM 254 GS, BCM 255 GS, BCM 256 GS, BCM 263 GS, BCM 264 GS, BCM 265 GS, BCM 266 GS, FLG 221 and FLG 222

Contact time: 1 lpw 1 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 14

Module content:

Mechanisms of muscle contraction and energy sources. Cardio-respiratory changes, thermo-regulation and other adjustments during exercise. Use and misuse of substances to improve performance.

Practical work: Applied practical work.

FLG 325 Nutrition physiology 325

Academic organisation: Physiology

Prerequisite: BCM 253 GS, BCM 254 GS, BCM 255 GS, BCM 256 GS, BCM 263 GS, BCM 264 GS, BCM 265 GS, BCM 266 GS, FLG 221 and FLG 222

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 9

Module content:

The importance of nutrients and micro nutrients in the composition of a normal diet; the neuro-endocrine control of food intake and special aspects of function control of the digestive tract.

FLG 327 Higher neurological functions 327

Academic organisation: Physiology

Prerequisite: BCM 253 GS, BCM 254 GS, BCM 255 GS, BCM 256 GS, BCM 263 GS, BCM 264 GS, BCM 265 GS, BCM 266 GS , FLG 221 and FLG 222

Contact time: 2 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

Module content:

A module that focuses on the physiology of higher brain functions. Discussions are held on the interactions between the brain, immune and endocrine systems.

NB: Limited choice between this module and others. Consult with the head of department.

FLG 328 Pathophysiology 328

Academic organisation: Physiology

Prerequisite: BCM 253 GS, BCM 254 GS, BCM 255 GS, BCM 256 GS, BCM 263 GS, BCM 264 GS, BCM 265 GS, BCM 266 GS, and FLG 221 and FLG 222

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 9

Module content:

Human patho and applied physiology.

FLG 329 Integrated human physiology 329

Academic organisation: Physiology

Prerequisite: BCM 253 GS, BCM 254 GS, BCM 255 GS, BCM 256 GS, BCM 263 GS, BCM 264 GS, BCM 265 GS, BCM 266 GS, FLG 221 and FLG 222

Contact time: 1 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 9

Module content:

Integration of all the human physiological systems.

FSG 100 Physiology 100

Academic organisation: Physiology

Prerequisite: PHY 112,CMY 112,FTP 100,120,FIL 100,ANA 101

Contact time: 4 lpw 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 19

FSG 102 Physiology 102

Academic organisation: Physiology

Contact time: 4 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 17

FSG 110 Physiology 110

Academic organisation: Physiology

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

Introduction (terminology and anatomical orientation); chemical principles; cytology and histology; neuro-physiology and the senses; haematology and body fluids; cardiovascular system.

FSG 120 Physiology 120

Academic organisation: Physiology

Prerequisite: FSG 110

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

Respiratory system; nutrition; digestion and metabolism; kidneys and acid-base equilibrium; endocrinology; reproduction physiology and reproduction; skin and body temperatures.

FSG 161 Physiology 161

Academic organisation: Physiology

Contact time: 4 lpw 1 ppw

Period of presentation: Quarter 3

Language of tuition: Double medium

Credits: 12

Module content:

Introduction and neurophysiology: homeostasis, cytology and histology, muscles and neurophysiology, cerebrospinal fluid, the special senses.

FSG 162 Physiology 162

Academic organisation: Physiology

Contact time: 4 lpw 1 ppw

Period of presentation: Quarter 4

Language of tuition: Double medium

Credits: 12

Module content:

Circulatory physiology: Body fluids, haematology, body defence mechanisms, cardiovascular physiology, lymphatic system.

FSG 181 Physiology 181

Academic organisation: Physiology

Contact time: 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 2

Module content:

Basic clinical physiology: Homeostasis, cellular metabolism, membrane potential, cardio-peripheral, reticulo-endothelial, respiratory and gastro-intestinal systems.

FSG 182 Physiology 182

Academic organisation: Physiology

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 2

Module content:

Basic clinical physiology: Genito-urinary, nervous system and special senses, musculo-skeletal, endocrine systems.

FSG 185 Physiology 185

Academic organisation: Physiology

Contact time: 8 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

Module content:

Introduction to Physiology, homeostasis and body fluids, cell physiology, haematology and immunology, cardiovascular system, respiration, neurophysiology and senses, gastrointestinal physiology and nutrition, kidneys, endocrinology, reproduction, skin and body temperature.

FSG 200 Physiology 200

Academic organisation: Physiology

Prerequisite: MLB 111, MBL 120, CMY 112, CMY 122, PHY 112, PHY 122, FIL 100

Contact time: 1 ppw 8 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 35

FSG 220 Physiology 220

Academic organisation: Physiology

Prerequisite: BLG 150, BLG 160

Contact time: 3 lpw 1 ppw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 7

FSG 251 Physiology 251

Academic organisation: Physiology

Prerequisite: RAN 100, RFI 110, FSG 161, FSG 162, MTL 180, RAW 180, RAW 182

Contact time: 1 dpw 1 ppw 4 lpw

Period of presentation: Quarter 1

Language of tuition: Double medium

Credits: 6

Module content:

Structure, gas exchange and secretory functions of the lungs; build, excretory and non-urinary functions of the kidneys, acid-base balance, as well as the skin and body temperature control.

Practical work: lung functions/spirometry, kidney function tests – side-room urine examinations. Digestion. Metabolism. Pathophysiology.

FSG 252 Physiology 252

Academic organisation: Physiology

Prerequisite: RAN 100, RFI 110, FSG 161, FSG 162, RAW 180, RAW 182, MTL 180

Contact time: 1 dpw 4 lpw

Period of presentation: Quarter 2

Language of tuition: Double medium

Credits: 6

Module content:

Nutrition, digestion and metabolism, hormonal control of body functions and the reproductive systems.

Practical work: endocrine system, reproductive system, pregnancy test.

FSG 261 Physiology 261

Academic organisation: Physiology

Prerequisite: PHY 131,CMY 151,ANA 151,ANA 152,ANA 161,ANA 162,FSG 161,FSG 162,FTP 100

Contact time: 2 lpw

Period of presentation: Quarter 3

Language of tuition: Double medium

Credits: 6

Module content:

Special neuro and muscle physiology.

FSG 262 Physiology 262

Academic organisation: Physiology

Prerequisite: RAN 100,RFI 110,FSG 161,FSG 162,RAW 180,RAW 182,MTL 180

Contact time: 3 lpw

Period of presentation: Quarter 4

Language of tuition: Double medium

Credits: 6

Module content:

Applied pathophysiology.

FSG 281 Physiology 281

Academic organisation: Physiology

Contact time: 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 2

Module content:

Intermediate clinical physiology: Cardio-peripheral, reticulo-endothelial, respiratory and gastro-intestinal systems.

FSG 282 Physiology 282

Academic organisation: Physiology

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 2

Module content:

Intermediate clinical physiology: Genito-urinary, nervous systems and special senses, musculoskeletal, endocrine systems.

FSG 300 Physiology 300

Academic organisation: Physiology

Contact time: 8 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 32

FSG 370 Applied physiology 370

Academic organisation: Physiology

Prerequisite: BOK 280,BOK 281,BOK 283,GNK 286,GNK 288,GPS 280,IKT 200,SMO 211,SMO 281

Contact time: 1 dpw 4 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 12

Module content:

Consult the Department of Physiology.

FSG 381 Physiology 381

Academic organisation: Physiology

Contact time: 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 2

Module content:

Advanced clinical physiology with emphasis on the child and application to anaesthetics and emergency care.

FSG 382 Physiology 382

Academic organisation: Physiology

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 2

Module content:

Advanced clinical physiology with emphasis on the central nervous system, orthopaedics and emergency care.

FSS 480 Internship training in food service system management 480

Academic organisation: Human Nutrition

Contact time: 5 dpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 35

FTP 100 Physiotherapy 100

Academic organisation: Physiotherapy

Contact time: 4 ppw 1 web-based period per week 3 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 15

Module content:

General introduction and orientation to physiotherapy, PBL skills and evidence-based approach to physiotherapy. Introduction to biomechanics, terminology, passive movements, measurement of the range of movement, clinical visits and patient-handling.

Kinetics: axis, planes, levers, effect of gravity on the human body.

Applied electrobiomechanics: introduction to radiation, high-frequency, ultrasound, shortwave diathermy, laser, ultraviolet, infrared radiation.

Introduction to manual therapy: general introduction to massaging, evaluation of soft tissue, types applications and effects of massage techniques on various types of tissue, modalities application to the human body.

Human movement science: introduction to biomechanics, study of human movement, functional evaluation, muscle-testing, types of muscular activity, kinematics: analysis of movement, motor control and posture, characteristics of normal movement. Applied electrobiomechanics, introduction to medium frequency currents, Russian currents. Pulmonology.

Note: Physiotherapy is presented in a problem-based and integrated manner.

FTP 203 Physiotherapy 203

Academic organisation: Physiotherapy

Contact time: 1 web-based period per week 4 ppw 8 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 52

Module content:

The problem-based learning approach to the principles of human movement science manual therapy for soft tissue and electro-biomechanics. This approach is applied by using selected clinical conditions of the thorax, pelvis and hip-joint over the total life spectrum.

The problem-based approach to the treatment of selected clinical conditions of the knee, ankle and foot complex, the pectoral girdle and gleno-humeral joint, the elbow, forearm and wrist and hand complex over the total life-cycle, through the application of the principles of human movement science manual therapy for soft tissue and electro-biomechanic.

FTP 220 Physiotherapy clinical practice 220

Academic organisation: Physiotherapy

Prerequisite: PHY 131,CMY 151,FSG 161,FSG 162,ANA 151,FTP 100,ANA 152,SLK 110,ANA 161,ANA 162

Contact time: 1 lpw 1 other per week

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Study of the epidemiology, prevalence and incidence of selected clinical conditions. Students acquire clinical experience through the treatment of selected clinical conditions in various health care institutions, practices and clinics.

A theoretical and clinical examination will take place after conclusion of the module.

FTP 300 Physiotherapy 300

Academic organisation: Physiotherapy

Prerequisite: FSG 251,FSG 252,FSG 261,FSG 262,ANP 210,GMB 252,GMB 253,FTP 241,POL 251,FTP 231

Contact time: 2 lpw 3 web-based periods per week 2 other per week 3 ppw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 40

Module content:

Theory of comprehensive physiotherapeutic management (prevention, promotion, restoration, and rehabilitation) of notifiable, non-notifiable and infectious conditions.

Diseases of lifestyle, chronic disease, the impact of HIV on disability and on patients with trauma, mental health. Impact of physical/economic/political/ psychosocial environment on health and well-being, health promotion and development and sports science.

Comprehensive physiotherapy management is applied to infant health, during childhood, adolescent health, women's and men's health, health and disease in middle age and geriatrics.

FTP 301 Physiotherapy clinical practice 301

Academic organisation: Physiotherapy

Prerequisite: FSG 251,FSG 252,FSG 261,FSG 262,ANP 210,GMB 252,GMB 253,FTP 231,FTP 241,POL 251

Contact time: 2 web-based periods per week 2 ppw 1 dpw 3 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 60

Module content:

Comprehensive clinical management of patients with communicable and non-communicable diseases and conditions, patients with an impairment or disability as a

result of the impact of physical/economic/political and psychosocial environment on health and well-being, health promotion, and development and sports science. Comprehensive clinical management is applied where relevant on infant health, during childhood, adolescence, in women's and men's health, and health and disease in middle age and geriatrics, diseases of lifestyle, chronic disease, impact of HIV on disability, victims of trauma, and/or a mental health condition.

FTP 400 Physiotherapy 400

Academic organisation: Physiotherapy

Prerequisite: MRZ 310,RHC 451,RHC 452,FAR 381,FAR 382,FTP 300,FTP 301,POL 300

Contact time: 1 web-based period per week 2 ppw 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 30

Module content:

Advanced comprehensive physiotherapeutic management of communicable and non-communicable diseases and conditions. This includes diseases of lifestyle, chronic disease, impact of HIV on disability, victims of trauma, and mental health. Impact of physical/economic/political/psychosocial environment of health and well-being, health promotion and development, and sport science. The comprehensive physiotherapeutic management is applied to patients of all ages where relevant: in infant health, childhood, adolescent health, women's and men's health, health and disease in middle age and geriatrics and is based on the epidemiology of disease.

Examination period: October/November.

FTP 401 Physiotherapy research 401

Academic organisation: Physiotherapy

Prerequisite: MRZ 310,RHC 451,RHC 452,FAR 382,FAR 381,FTP 300,FTP 301,POL 300

Contact time: 1 web-based period per week 3 lpw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

The theoretical and practical application of research principles in physiotherapy and submission of an article based on research.

Examination period: October/November.

FTP 402 Physiotherapy clinical practice 402

Academic organisation: Physiotherapy

Prerequisite: MRZ 310,RHC 451,RHC 452,FAR 381,FAR 382,FTP 300,FTP 301,POL 300

Contact time: 1 web-based period per week 2 dpw 1 other per week

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 88

Module content:

Comprehensive clinical management of patients with communicable, non-communicable diseases and conditions, patients who have an impairment or disability due to the impact of physical/economic/political/psychosocial environment on health and well-being. Health promotion, and development and sport science. Comprehensive clinical management is applied where relevant to infant health, during childhood, adolescence, in women's health and men's health, and health and disease in middle age and geriatrics, diseases of lifestyle, chronic disease, impact of HIV on disability, victims of

trauma, and/or a mental health condition, addressing the determinants of health over the total life span. The module includes 800 hours clinical experience in a variety of health care scenarios.

Examination period: October/November.

GAP 170 Community as patient 170

Academic organisation: Community Dentistry

Contact time: 1 dpw 1 lpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 7

Module content:

This module will enable the recently qualified oral hygienist to diagnose the oral health problems of any given community. Application of the knowledge gained from the module will enable him/her to participate in appropriate primary and secondary preventive programmes to improve the oral health of that community in accordance with the public oral health policy of South Africa.

GAP 270 Community as patient 270

Academic organisation: Community Dentistry

Prerequisite: FLG 170,GMB 170, MDB 170, TBW 170, ODO 170, PDL 170, DFA

170, VKM 170, GAP 170, RAD 170

Contact time: 1 ppw 1 lpw

Period of presentation: Year

Language of tuition: English

Credits: 11

Module content:

The module will enable the recently qualified oral hygienist to diagnose the oral health problems of any given community. Application of the knowledge gained from the module will enable him/her to participate in relevant primary and secondary preventive programmes to improve the oral health of that community in accordance with the Public Oral Health Policy of South Africa.

GAP 271 Community as patient 271

Academic organisation: Community Dentistry

Prerequisite: EOT 110, EOT 120, CIL 111, CIL 121, ACO 171, ANA 171, FAR 171, FLG 171, GMB 171, MDB 171, ODO 171, ORD 171, PDL 171, TBW 171, VKM 171, NHS 171

Contact time: 1 lpw (24 weeks) 1 p (2 h) (30 weeks)

Period of presentation: Year

Language of tuition: Double medium

Credits: 14

Module content:

The module will enable the oral hygiene student to diagnose the oral health problems of any given community. Application of the knowledge gained from the module will enable him/her to participate in relevant primary and secondary preventive programmes to improve the oral health of that community in accordance with the Public Oral Health Policy of the RSA. Oral hygiene students will visit special schools, nursery schools and hospitals where oral health programmes are implemented and maintained.

GAP 371 Community as patient 371

Academic organisation: Community Dentistry

Prerequisite: EOT 110, EOT 120, CIL 111, CIL 121, ACO 171, ANA 171, FAR 171, FLG 171, GMB 171, MDB 171, ODO 171, ORD 171, PDL 171, TBW 171, VKM 171, NHS 171

Contact time: 2 p (2 h) (30 weeks) 2 p (8 h)

Period of presentation: Year

Language of tuition: Double medium

Credits: 13

Module content:

This module consists of practical work in the community only and is a continuation of GAP 271 Community as patient 271.

GAP 470 Community as patient 470

Academic organisation: Community Dentistry

Prerequisite: GNK 388, MDB 370, TGG 370, FSG 370, FAR 370, RAD 370, TBW 370, ODO 370, PDL 370, DFA 370

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: English

Credits: 4

Module content:

The modules in this subject consist of theoretical and practical training in oral epidemiology, community based primary and secondary prevention and the application of the principles of public oral health in his/her working environment.

GAP 570 Community as patient 570

Academic organisation: Community Dentistry

Prerequisite: TBW 470, ODO 470, MFP 470, PDL 470, DFA 470, OFC 470, PTK 470, GAP 470, TMZ 470,

Contact time: 3 other per week 1 lpw

Period of presentation: Year

Language of tuition: English

Credits: 6

Module content:

The modules in this subject consist of theoretical and practical training in oral epidemiology, community based primary and secondary prevention and the application of the principles of public oral health in his/her working environment.

GGS 400 Community Health 400

Academic organisation: Community Health

Contact time: 2 dpw 2 ppw 2 lpw

Period of presentation: Year

Language of tuition: English

Credits: 12

GMB 170 Microbiology and immunology 170

Academic organisation: Medical Microbiology

Contact time: 2 other per week 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 8

Module content:

This module will provide the oral hygiene student with a thorough basic knowledge of:

- Basic microbiology
- Applied oral microbiology
- Basic immunological principles
- Applied immunology
- Principles of hypersensitivity, auto-immune disease and immunisation.

GMB 171 Microbiology and immunology 171

Academic organisation: Medical Microbiology

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

Module content:

This module will provide the oral hygiene student with a thorough basic knowledge of:

- Basic microbiology
 - Applied oral microbiology
 - Basic immunological principles
 - Applied immunology
 - Principles of hypersensitivity, auto-immune disease and immunisation
- The module content will serve as pre-knowledge for clinical subjects.

GMB 252 Medical microbiology 252

Academic organisation: Medical Microbiology

Prerequisite: PHY 131,CMY 151,FSG 161,FSG 162,SLK 151,FTP 100,ANA 152,SLK 253,SLK 154,ANA 162

Contact time: 2 lpw

Period of presentation: Quarter 2

Language of tuition: Both Afr and Eng

Credits: 2

Module content:

Infection, immunity and basic bacteriology.

Introduction and basic principles of infection, sterilisation and the immune system.

Bacterial cells and the classification of disease-causing bacteria.

GMB 253 Medical microbiology 253

Academic organisation: Medical Microbiology

Prerequisite: PHY 131,CMY 151,FSG 161,FSG 162,SLK 151,FTP 100,ANA 152,SLK 253,SLK 154,ANA 162

Contact time: 2 lpw

Period of presentation: Quarter 3

Language of tuition: Both Afr and Eng

Credits: 2

Module content:

Systemic bacteriology.

Commonly occurring bacterial infections and the bacteria that cause them.

GMB 254 Medical microbiology 254

Academic organisation: Medical Microbiology

Prerequisite: PHY 131,CMY 151,FSG 161,FSG 162,SLK 151,FTP 100,ANA 152,SLK 253,SLK 154,ANA 162

Contact time: 2 lpw

Period of presentation: Quarter 4

Language of tuition: Both Afr and Eng

Credits: 2

Module content:

Fungi, parasitology and virology.

Commonly occurring fungal, viral and parasite infections and infestations, and the organisms that cause them.

GMB 300 Medical microbiology 300

Academic organisation: Medical Microbiology

Contact time: 1 ppw 4 lpw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 18

GNK 120 Orientation 120

Academic organisation: Health Sciences Dean's Office

Prerequisite: CMY 151, PHY 131, FIL 155, MLB 111, MTL 180, CIL 111 and MGW 112

Contact time: 4 spw 5 ppw 17 lpw 4 dpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

Introduction to the Study of Medicine/Dentistry.

Introduction to the Faculty of Health Sciences and students' interaction with the faculty description of the curriculum and the demands made on students at different stages. Introduction to the principles contained within the "golden threads". Introduction to the cultural differences and taboos important to the health care worker. First stages of learning a new language – Setswana and Afrikaans.

GNK 122 Computer orientation 122

Academic organisation: Obstetrics and Gynaecology

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 4

GNK 127 People and their environment 127

Academic organisation: Health Sciences Dean's Office

Prerequisite: CMY 151,PHY 131,MGW 112,FIL 155,MLB 111,MTL 180,CIL 111

Contact time: 2 dpw 5 spw 6 lpw 15 ppw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

The biopsychosocial approach to health care; patients in their family and community environment; the role of psychology in the work of a generalist; how patients adapt to sickness and cope with stress; the health care system in rural South Africa; health promotion and health education; the use of electronic databases.

GNK 128 Introduction to clinical pharmacotherapy 128

Academic organisation: Pharmacology

Prerequisite: CMY 151,PHY 131,FIL 155,MLB 111,MTL 180,CIL 111,MGW 112

Contact time: 5 dpw 5 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 10

Module content:

Introductory principles to clinical pharmacotherapy on the grounds of applicable patient problems/disease processes; receptors for medicines; principles of structure activity relationships; dynamic and kinetic principles to bring pharmacological principles and clinical therapy together in a problem-based curriculum.

GNK 283 Introduction to clinical medicine 283

Academic organisation: Obstetrics and Gynaecology

Prerequisite: CMY 151,FIL 155,MGW 112,MLB 111,PHY 131,MTL 180,GNK 120,BOK 121,GNK 127,GNK 128

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

The biopsychosocio model of illness; the SIAMS framework for the consultation; surface anatomy: the integrated management of childhood illness (IMCI); general physical examination skills and introduction to clinical departments.

GNK 285 Blood 285

Academic organisation: Family Medicine

Prerequisite: CMY 151,GNK 121,GNK 122,MLB 111,PHY 131,GNK 126,BOK 120,MTL 180,MGW 111,FIL 182

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 4

GNK 286 Basic emergency care 286

Academic organisation: Health Sciences Dean's Office

Prerequisite: CMY 151,FIL 155,MGW 112,MLB 111,PHY 131,MTL 180,GNK 120,BOK 121,GNK 127,GNK 128

Contact time: 1 other per week 8 ppw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

Theory and practical training in basic emergency care.

GNK 288 Anatomy (Dissection) 288

Academic organisation: Anatomy

Prerequisite: CMY 151,GNK 120,GNK 127,MLB 111,PHY 131,GNK 128,BOK 121,MGW 112,FIL 155,MTL 180

Contact time: 14 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 37

Module content:

Clinically applied regional dissection of the upper limb, neck and back, head, brain, thorax, abdomen, pelvis and lower limb.

GNK 381 Heart and blood vessels 381

Academic organisation: Family Medicine

Prerequisite: BOK 280,GNK 288,BOK 284,GPS 280,BOK 281,GNK 283,GNK 286

Contact time: 16 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 25

Module content:

Discussion of the important diseases in order to obtain a complete overview of the disease, which will include anatomy, physiology, pathology, pharmacology and clinical medicine.

GNK 383 Respiratory system 383

Academic organisation: Family Medicine

Prerequisite: BOK 280,GNK 288,BOK 284,GPS 280,BOK 281,GNK 283,GNK 286,

Contact time: 12 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Lungs and chest.

Discussion of the significant diseases in order to obtain a complete overview of the disease, which will include anatomy, physiology, pathology, pharmacology and clinical medicine.

GNK 385 Preceptorship 385

Academic organisation: Family Medicine

Prerequisite: BOK 280,GNK 288,BOK 284,GPS 280,BOK 281,GNK 283,GNK 286

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 4

Module content:

A learning opportunity for the undergraduate student to:

- (i) experience in practice, the general practitioner or family physician;
- (ii) meet the unselected patient; and
- (iii) observe first-hand, the problems which have to be contended within primary care. The problems comprise biomedical, psycho-social and managerial challenges.

GNK 386 Haematological malignancies 386

Academic organisation: Paediatrics

Prerequisite: BOK 280,GNK 288,BOK 284,GPS 280,BOK 281,GNK 283,GNK 286

Contact time: 1 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

Haematological malignant neoplasia: Basic and clinical information with regard to this group of diseases, including healing ability with regard to lymphoma, leukaemia, myeloproliferative diseases; and immunoproliferative diseases.

GNK 388 Head and neck anatomy 388

Academic organisation: Anatomy

Prerequisite: GNK 288,BOK 283,BOK 281,GNK 286,GPS 280,IKT 200,BOK 280,SMO 211,SMO 281

Contact time: 12 ppw 16 dpw 4 lpw 8 spw

Period of presentation: Semester 1

Language of tuition: English

Credits: 4

Module content:

A relevant head-and-neck anatomy module for dental students, detailing essential information applicable to the practice of clinical dentistry.

GNK 481 Disorders of childhood 481

Academic organisation: Paediatrics

Prerequisite: GNK 381,GNK 383,BOK 380,GNK 386,GPS 380,BOK 382,GNK 488,SMO 311,SMO 380,SMO 382

Contact time: 6 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 31

Module content:

The module is designed to help students gain knowledge, skills and attitudes in order to understand and respond to the special needs and vulnerability of children in relation to development, nutrition, environment and adaptation; recognise by means of history and examination, common and important abnormalities of development, nutrition,

environment and adaptation and be able to deal with them effectively; recognise by means of history and examination, common and important health problems of infancy and childhood and be able to deal with them effectively.

The mornings are devoted to direct contact with paediatric patients and their problems by means of small-group activities at a variety of experimental learning sites.

The afternoon periods are used for representative case studies with regard to a series of general or important themes, illustrated by multidisciplinary symposia, lectures, problem-solving exercises and self-tuition.

GNK 483 Musculoskeletal conditions 483

Academic organisation: Orthopaedics

Prerequisite: GNK 381,GNK 383,BOK 380,GNK 386,GPS 380,BOK 382,SMO 380,SMO 311,SMO 382

Contact time: 7 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 28

Module content:

A study of the build and functions as well as the diseases of the musculo-skeletal movement apparatus in adults and children. Emphasis is placed on the diagnosis and treatment of the most prominent conditions as well as the acquiring of practical and clinical skills.

GNK 484 Endocrinology 484

Academic organisation: Health Sciences Dean's Office

Prerequisite: GNK 381,GNK 383,BOK 380,GNK 386,GPS 380,BOK 382,SMO 380,SMO 311,SMO 382

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

An opportunity for the student to become familiarised with the most common endocrinology problems in practice, including diabetes and obesity. The focus is on the recognition of these conditions and their practical handling.

GNK 485 Head and neck 485

Academic organisation: Otorhinolaryngology

Prerequisite: GNK 381,GNK 383,BOK 380,GNK 386,GPS 380,BOK 382,SMO 311,SMO 380,SMO 382

Contact time: 5 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 33

Module content:

An opportunity for the undergraduate student to acquire knowledge and skills in respect of the prevention, diagnosis and treatment of diseases of the head and neck region by means of lectures, seminars, self-tuition and practical sessions in the clinic, ward, theatre as well as the skills laboratory. A problem-based and inter-disciplinary approach is emphasised.

GNK 486 Ageing 486

Academic organisation: Psychiatry

Prerequisite: GNK 381,GNK 383,BOK 380,GNK 386,GPS 380,BOK 382,SMO 311,SMO 380,SMO 382

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 8

Module content:

Discussion of the physiology and psychology of ageing and an overview of diseases commonly found in the elderly, with a biomedical psycho-social approach.

GNK 487 Skin 487

Academic organisation: Family Medicine

Prerequisite: GNK 381,GNK 383,BOK 380,GNK 386,GPS 380,BOK 382,SMO 311,SMO 380,SMO 382

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 5

Module content:

Clinical manifestations and management.

GNK 488 Elective 488

Academic organisation: Health Sciences Dean's Office

Prerequisite: BOK 280,BOK 284,GNK 286,GPS 280,SMO 281,BOK 281,GNK 283,GNK 288,SMO 211

Contact time: 1 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 23

Module content:

An opportunity for the undergraduate student to acquire knowledge, skills and experience in the medical practice environment.

GNK 581 Psychiatry and social dysfunction 581

Academic organisation: Psychiatry

Prerequisite: GNK 481,BOK 480,BOK 482,GNK 485,GNK 483,GNK 487,GNK 486,GNK 484,GNK 385,SMO 411

Contact time: 18 lpw 5 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 34

Module content:

The module will help students to acquire knowledge, skills and attitudes that will enable them to diagnose and manage certain psychiatric conditions. Preventive and promotive aspects of management are also emphasised. These psychiatric conditions include the following: mood disorders, anxiety disorders, alcohol and substance-related disorders, sexual disorders, schizophrenia and other psychotic disorders, mental disorders due to general medical conditions, personality disorders, eating disorders and sleep disorders. These topics will be handled as applicable to children, adolescents and adults. Additional topics include: legal aspects, aggression, child abuse, child development, mental retardation and interpersonal skills.

During morning lectures, students are directly exposed to psychiatric patients and their problems by means of small-group activities.

The afternoon lectures are used for the solution of problem-orientated case studies and accompanied exploration of the themes mentioned above. The module is student-oriented, with the emphasis on self-tuition.

GNK 582 Health and healthcare 582**Academic organisation:** Family Medicine**Prerequisite:** BOK 480,BOK 482,GNK 481,GNK 483,GNK 484,GNK 485,GNK 486,GNK 487,GNK 385,SMO 411**Contact time:** 2 dpw 15 lpw**Period of presentation:** Semester 1**Language of tuition:** Both Afr and Eng**Credits:** 31**Module content:**

This module aims to integrate the concepts of Family Medicine and Community Medicine for the delivery of health care in South Africa. The module content covers medico-legal aspects of practice, ethical issues, as well as approaches to common problems in practice, with emphasis on the application of the biopsychosocial model of care in the South African district health system.

GNK 583 Traumatology 583**Academic organisation:** Surgery**Prerequisite:** BOK 480,BOK 482,GNK 481,GNK 483,GNK 484,GNK 485,GNK 486,GNK 487,GNK 385,SMO 411**Contact time:** 3 dpw 1 ppw 1 other per week 10 lpw 1.5 spw**Period of presentation:** Semester 1**Language of tuition:** Double medium**Credits:** 25**Module content:**

The block consists of two modules, one practical and the other theoretical.

The objective of the trauma practicals is to introduce students to clinical recognition of trauma emergencies, institution of emergency resuscitation, application of life saving and life support manoeuvres and emergency treatment of the trauma victim. Using actors/models, students are taught the application of the Advanced trauma life support (ATLS) (ABCDE) type approach to trauma.

The trauma theory comprises the introduction to the full spectrum of trauma as a disease. Epidemiology of trauma, mechanisms of wounding, including ballistics, the biological response to trauma, wound healing and complications of trauma will be taught. Emergency treatment, resuscitation and intensive care treatment of the trauma victim will be covered. A systematic course on a thematic basis will be given to cover the major organ systems prioritised according to the ATLS type approach of life threatening, limb threatening or disfiguring injuries.

Thus, thoracic, cardiovascular, abdominal, head and neck trauma will be dealt with as potential life threatening injuries, orthopaedic as limb threatening trauma and skin injuries are mainly disfiguring. Thermal, electrical and chemical burns and hypothermia will be covered. Introduction to physical and psychological rehabilitation and nutrition of the trauma victim will be taught.

GNK 585 Pharmacotherapy 585**Academic organisation:** Pharmacology**Prerequisite:** BOK 480,BOK 482,GNK 481,GNK 483,GNK 484,GNK 485,GNK 486,GNK 487,GNK 385,SMO 411**Contact time:** 1 dpw 8 lpw 1 ppw**Period of presentation:** Semester 1**Language of tuition:** Double medium**Credits:** 7**Module content:**

Core pharmacotherapy and applicable clinical aspects of the most general and prominent diseases and conditions, principles of toxicology and medical-forensic aspects of substance abuse, court proceedings and iatrogenic deaths.

GNK 586 Anaesthesiology 586

Academic organisation: Anaesthesiology

Prerequisite: BOK 480,BOK 482,GNK 481,GNK 483,GNK 484,GNK 485,GNK 486,GNK 487,GNK 385,SMO 411

Contact time: 8 lpw 1 dpw 1 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 13

Module content:

A basic introduction to the underlying principles of the theory and practice of anaesthesiology applicable to the generalist. Learning experiences comprise practical residency (prior to Block 18), formal interactive lectures, workshops and case studies (during Block 18).

GNK 587 Forensic medicine morning rotation 587

Academic organisation: Forensic Medicine

Prerequisite: LCP 480, BOK 480, BOK 482, GNK 385, GNK 481, GNK 483, GNK 484, GNK 485, GNK 486, GNK 487, SMO 411

Contact time: 10 practical hpw, 5½ h tpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 4

GNK 680 Surgery 680

Academic organisation: Surgery

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586,SMO 511,SMO 512

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 52

Module content:

Surgery (7 weeks) in the Student Intern Complex: General surgery, vascular surgery, plastic surgery, paediatric surgery, cardiothoracic surgery.

GNK 681 Orthopaedics 681

Academic organisation: Surgery

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586,SMO 511,SMO 512

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 17

Module content:

Orthopaedics (three weeks) in the Student Intern Complex.

GNK 682 Anaesthesiology 682

Academic organisation: Anaesthesiology

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586,SMO 511,SMO 512

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Anaesthesiology (3½ weeks) in the Student Intern Complex.

GNK 683 Internal medicine 683

Academic organisation: Internal Medicine

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586,SMO 511,SMO 512

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 45

Module content:

Internal medicine (7 weeks) in the Student Intern Complex.

GNK 684 Internal medicine sub-disciplines 684

Academic organisation: Internal Medicine

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586,SMO 511,SMO 512

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

GNK 685 Psychiatry 685

Academic organisation: Psychiatry

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586,SMO 511,SMO 512

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 40

Module content:

Psychiatry (7 weeks) in the Student Intern Complex.

GNK 686 Obstetrics and gynaecology 686

Academic organisation: Obstetrics and Gynaecology

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586,SMO 511,SMO 512

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 40

Module content:

Obstetrics and gynaecology (7 weeks) in the Student Intern Complex.

GNK 687 Paediatrics 687

Academic organisation: Paediatrics

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586,SMO 511,SMO 512

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 40

Module content:

Paediatrics (7 weeks) in the Student Intern Complex.

GNK 688 Community-based education 688

Academic organisation: Obstetrics and Gynaecology

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586,SMO 511,SMO 512

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Community-based education (3½ weeks) in the Student Intern Complex.

GNK 689 Diagnostic laboratory; image forming; evidence based medicine and bioethics 689

Academic organisation: Health Sciences Dean's Office

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 11

Module content:

Diagnostic laboratory medicine (2 weeks); image-forming medicine; evidence-based medicine and bioethics (two days) in the Student Intern Complex.

GNK 690 Urology 690

Academic organisation: Urology

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 11

Module content:

Urology (2 weeks) in the Student Intern Complex.

GNK 691 Family medicine 691

Academic organisation: Family Medicine

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Family medicine (3½ weeks) in the Student intern complex.

GNK 692 Community obstetrics 692

Academic organisation: Obstetrics and Gynaecology

Prerequisite: GNK 581,GNK 582,GNK 583,GNK 585,GNK 586

Contact time: 40 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Community obstetrics (3½ weeks) in the Student Intern Complex.

GPS 280 Generic procedural skills 280

Academic organisation: Health Sciences Dean's Office

Prerequisite: CMY 151,GNK 127,GNK 128,MLB 111,PHY 131,GNK 120,BOK 121,MGW 112,FIL 155,MTL 180

Contact time: 3 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 2

GPS 370 Generic procedural skills 370

Academic organisation: School of Dentistry

Contact time: 1 ppw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 5

Module content:

Procedures: skin, scrubbing and dressing for theatre.

Physical examinations: cardiovascular examination, respiratory examination.

GPS 380 Generic procedural skills 380

Academic organisation: Health Sciences Dean's Office

Prerequisite: BOK 280,GNK 283,GNK 288,GPS 280,BOK 281,SMO 211,GNK 286,BOK 284,SMO 281

Contact time: 1 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 5

GTH 201 Community dentistry 201

Academic organisation: Community Dentistry

Prerequisite: MHI 100,ANH 100,FSG 101,MBG 106,THM 100,TPG 100,NHS 100, RON 100

Contact time: 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 6

GTH 500 Community dentistry 500

Academic organisation: Community Dentistry

Prerequisite: CHP 401,ANE 400,CHR 401,IGK 401,KGM 400,HTH 400,MPG 400,MDB 410,ORD 400,RON 400

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 2

GTH 702 Community dentistry 702

Academic organisation: Community Dentistry

Contact time: 4 spw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 100

GVP 110 Community nursing science 110

Academic organisation: Nursing Science

Contact time: 2 lpw 1 other per week

Period of presentation: Semester 1

Language of tuition: English

Credits: 6

Module content:

The community nursing context.

Community health, community-based nursing care and primary health care (PHC).

Processes in community nursing.

Assessment, diagnosis, intervention and evaluation. Health education and home healthcare nursing.

GVP 120 Community nursing science 120

Academic organisation: Nursing Science

Prerequisite: GVP 110

Contact time: 1 other per week 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 6

Module content:

Care of individuals, families and communities in the community nursing context.

Comprehensive approach to the care of infants, children, women, men and those within unique settings or circumstances (e.g. the elderly, the homeless, marginalised

communities, emergency situations and reproductive health). Common community health problems.

Communicable diseases and immunisation, HIV/Aids. Chronic physical and mental health problems. Social pathology in the community.

GVP 160 Community nursing science 160

Academic organisation: Nursing Science

Contact time: 2 ppw

Period of presentation: Year

Language of tuition: English

Credits: 4

Module content:

*Attendance module only

Community nursing science practical work.

Compulsory practical work, which includes mother and child health, school health, occupational health and safety, geriatric care, the prevention and control of communicable diseases, rehabilitation services and community resources, environmental safety, physical and nursing assessment of patients, diagnosis and care and health education.

Family study and community profile.

GVP 250 Community nursing science 250

Academic organisation: Nursing Science

Prerequisite: GVP 110,GVP 120

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 5

Module content:

The community nursing process.

Assessment, planning, implementation and evaluation within the community health nursing context. Epidemiology and demography in community health nursing.

GVP 260 Community nursing science 260

Academic organisation: Nursing Science

Prerequisite: GVP 250

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 5

Module content:

Community involvement.

Community empowerment, development and participation. Quality assurance and change in the community context.

GVP 300 Community nursing science 300

Academic organisation: Nursing Science

Prerequisite: GVP 250,GVP 260

Contact time: 2 dpw 2 lpw

Period of presentation: Year

Language of tuition: English

Credits: 5

Module content:

Application of relevant nursing theories.

Quality assurance. Nursing care planning and applicable nursing interventions in individual group, family and community contexts. Family care.

HMI 251 Human illness 251

Academic organisation: Nursing Science

Prerequisite: ANA 151,ANA 152,ANA 161,ANA 162,FSG 161,FSG 162,NUR 151,NUR 152,NUR 153,NUR 154,

Contact time: 3 lpw

Period of presentation: Quarter 1

Language of tuition: English

Credits: 4

HMI 253 Human illness 253

Academic organisation: Nursing Science

Prerequisite: NUR 151,NUR 152,NUR 153,NUR 154,NPE 161,NPE 162,FSG 161,FSG 162,ANA 151,ANA 152

Contact time: 3 lpw

Period of presentation: Quarter 3

Language of tuition: English

Credits: 4

HNT 210 Human nutrition 210

Academic organisation: Human Nutrition

Prerequisite: FLG 211,212, BCM 253,254,255,256

Contact time: 1 dpw 4 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 12

Module content:

Application of scientific principles in human nutrition. Standards, guidelines and food composition tables.

HNT 220 Human nutrition 220

Academic organisation: Human Nutrition

Prerequisite: ANA 161,AIM 101,EOT 110,EOT 120,CMY 117,CMY 127,DTT 120,KEP 261,MGW 112

Contact time: 1 dpw 3 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 24

Module content:

Human nutrition in the life cycle. Menus (diet plan – meal plan – menus).

HNT 411 Advanced human nutrition 411

Academic organisation: Human Nutrition

Prerequisite: FLG 312,FLG 314,FAR 381,FAR 382,MRZ 310,NTA 313,RCH 310,DTT 310,VDS 320,VDB 320

Contact time: 1 dpw 3 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 18

Module content:

Seminars and case studies (theory and practical application): Eating behaviour, eating disorders, nutrient/nutrition supplementation, sports nutrition, vegetarianism, food safety, nutrition of the disabled, prevention of non-communicable disease of lifestyle; nutrition and immunity; nutrition and genetics.

HTH 500 Restorative dentistry 500

Academic organisation: Odontology

Prerequisite: CHP 401,ANE 400,CHR 401,IGK 401,KGM 400,HTH 400,MPG 400,MDB

410,ORD 400,RON 400

Contact time: 2 lpw 5 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 35

IKT 200 Introduction to clinical dentistry 200

Academic organisation: Dental Management Sciences

Prerequisite: BOK 121,CMY 151,FIL 155,GNK 120,GNK 127,GNK 128,MGW 112,MLB 111,MTL 180,PHY 131

Contact time: 15 other per week 5 lpw

Period of presentation: Quarter 3

Language of tuition: Double medium

Credits: 10

KGM 500 Maxillo-facial and oral surgery 500

Academic organisation: Maxillo-Facial and Oral Surgery

Prerequisite: CHP 401,ANE 400,CHR 401,IGK 401,KGM 400,HTH 400,MPG 400,MDB 410,ORD 400,RON 400

Contact time: 2 dpw 2 ppw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 20

KGM 701 Maxillo-facial and oral surgery 701

Academic organisation: Maxillo-Facial and Oral Surgery

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 100

KGN 300 Clinical medicine 300

Academic organisation: Internal Medicine

Contact time: 3 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 8

KGN 301 Clinical medicine 301

Academic organisation: Internal Medicine

Contact time: 4 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 17

KLN 300 Clinical neurology 300

Academic organisation: Neurology

Contact time: 1 lpw 1 other per week

Period of presentation: Year

Language of tuition: English

Credits: 3

KMH 220 Clinical oral medicine 220

Academic organisation: Community Dentistry

Prerequisite: CMY 151,MLB 111,FIL 155,PHY 131,GNK 121,GNK 126,MGW 111,GNK 122,BOK 120,MTL 180

Contact time: 12 lpw 14 ppw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 8

KMH 300 Clinical oral medicine 300

Academic organisation: Community Dentistry

Prerequisite: ANA 200,FSG 200,NMA 221

Contact time: 14 ppw 12 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 8

KVG 110 Clinical nursing science 110

Academic organisation: Nursing Science

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 5

Module content:

Statutory framework and scientific basis for clinical nursing practice.

Clinical nursing practice: legal aspects, statutory and professional control. Homeostasis, basic sciences and critical thinking exercises in clinical nursing. Problem-driven clinical nursing practice.

Problem-solving: characteristics, advantages and the problem-solving process. Problem-solving and the nursing process. Aspects of systems-oriented nursing care: assessment, diagnosis, planning, implementing and evaluation.

KVG 120 Clinical nursing science 120

Academic organisation: Nursing Science

Prerequisite: KVG 110

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 5

Module content:

Clinical reasoning in nursing practice.

Clinical judgement and clinical decision-making. Contextual and task features of clinical decision-making. Strategies to improve clinical reasoning. Clinical reasoning in the assessment of disease processes and in the evaluation of treatment modalities for disease processes in nursing practice.

Reflective clinical nursing practice.

Reflective nursing practice: principles and application. Delivery of problem-driven, problem-based and holistic nursing care within acute care settings.

KVG 250 Clinical nursing science 250

Academic organisation: Nursing Science

Prerequisite: KVG 110,KVG 120

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 5

Module content:

Theory of specialised nursing practice.

In one of the following clinical nursing speciality areas: critical care, emergency nursing, advanced midwifery, neonatal nursing science, child nursing science or operating theatre nursing science. Contemporary problems and practice issues.

KVG 260 Clinical nursing science 260

Academic organisation: Nursing Science

Prerequisite: KVG 250

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 5

Module content:

Theory of specialised nursing practice.

In one of the following clinical nursing speciality areas: critical care, emergency nursing, advanced midwifery, neonatal nursing science, child nursing science or operating theatre nursing science. Contemporary problems and practice issues.

KVG 300 Clinical nursing science 300

Academic organisation: Nursing Science

Prerequisite: KVG 250, KVG 260

Contact time: 2 lpw 2 dpw

Period of presentation: Year

Language of tuition: English

Credits: 5

Module content:

Role and functions of clinical nursing specialists in their area of specialisation. Contemporary trends, issues and dilemmas in clinical nursing practice.

LCP 180 Longitudinal clinic attachment programme 180

Academic organisation: Health Sciences Dean's Office

Contact time: 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

The longitudinal clinic attachment programme will link students to one of about 40 clinics in Pretoria and its surrounds. Each student is allocated to a specific clinic in Tshwane, Hammanskraal or Metsweding for a four-year period - medical students from the middle of the first year to the middle of the fifth year, and dentistry students from the middle of the first year to the end of the second year. Students will visit these clinics during the course of each block and special activity as negotiated with each block and rotation chair. The activities they do at the clinic will be the practical application of the theory they acquired in class with the added benefit of the experience of the context of the patient and the healthcare system.

LCP 280 Longitudinal clinic attachment programme 280

Academic organisation: Health Sciences Dean's Office

Contact time: 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

The longitudinal clinic attachment programme will link students to one of about 40 clinics in Pretoria and its surrounds. Each student is allocated to a specific clinic in Tshwane, Hammanskraal or Metsweding for a four-year period - medical students from the middle of the first year to the middle of the fifth year, and dentistry students from the middle of the first year to the end of the second year. Students will visit these clinics during the course of each block and special activity as negotiated with each block and rotation chair. The activities they do at the clinic will be the practical application of the theory they acquired in class with the added benefit of the experience of the context of the patient and the healthcare system.

LCP 380 Longitudinal clinic attachment programme 380**Academic organisation:** Health Sciences Dean's Office**Contact time:** 1 ppw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 5**Module content:**

The longitudinal clinic attachment programme will link students to one of about 40 clinics in Pretoria and its surrounds. Each student is allocated to a specific clinic in Tshwane, Hammanskraal or Metsweding for a four-year period - medical students from the middle of the first year to the middle of the fifth year, and dentistry students from the middle of the first year to the end of the second year. Students will visit these clinics during the course of each block and special activity as negotiated with each block and rotation chair. The activities they do at the clinic will be the practical application of the theory they acquired in class with the added benefit of the experience of the context of the patient and the healthcare system.

LCP 480 Longitudinal clinic attachment programme 480**Academic organisation:** Health Sciences Dean's Office**Contact time:** 1 ppw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 5**Module content:**

The longitudinal clinic attachment programme will link students to one of about 40 clinics in Pretoria and its surrounds. Each student is allocated to a specific clinic in Tshwane, Hammanskraal or Metsweding for a four-year period - medical students from the middle of the first year to the middle of the fifth year, and dentistry students from the middle of the first year to the end of the second year. Students will visit these clinics during the course of each block and special activity as negotiated with each block and rotation chair. The activities they do at the clinic will be the practical application of the theory they acquired in class with the added benefit of the experience of the context of the patient and the healthcare system.

LCP 580 Longitudinal clinic attachment programme 580**Academic organisation:** Health Sciences Dean's Office**Contact time:** 4 ppw**Period of presentation:** Semester 1**Language of tuition:** Both Afr and Eng**Credits:** 5**Module content:**

The longitudinal clinic attachment programme will link students to one of about 40 clinics in Pretoria and its surrounds. Each student is allocated to a specific clinic in Tshwane, Hammanskraal or Metsweding for a four-year period - medical students from the middle of the first year to the middle of the fifth year, and dentistry students from the middle of the first year to the end of the second year. Students will visit these clinics during the course of each block and special activity as negotiated with each block and rotation chair. The activities they do at the clinic will be the practical application of the theory they acquired in class with the added benefit of the experience of the context of the patient and the healthcare system.

MBE 170 Human biology 170**Academic organisation:** Oral Pathology and Oral Biology**Contact time:** 4 lpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 16

MBG 200 Microbiology 200

Academic organisation: Medical Microbiology

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 8

MBG 705 Microbiology 705

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MBL 120 Human biology 120

Academic organisation: Physiology

Prerequisite: MLB 111

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 9

MDB 170 Oral biology 170

Academic organisation: Oral Pathology and Oral Biology

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: English

Credits: 7

Module content:

This module will provide the oral hygiene student with knowledge of the development and normal macroscopic and microscopic features and functions of the teeth, mouth and related structures.

MDB 171 Oral biology 171

Academic organisation: Oral Pathology and Oral Biology

Contact time: 1 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 8

Module content:

This module will provide the oral hygiene student with a broad basic knowledge on the development, normal macroscopic and microscopic structure and functions of the oral cavity, teeth and related structures. The module content will serve as preknowledge for clinical subjects and oral pathology in the oral hygiene programme.

MDB 370 Oral biology 370

Academic organisation: Oral Pathology and Oral Biology

Prerequisite: BOK 280,BOK 281,BOK 283,GNK 286,GNK 288,GPS 280,IKT 200,SMO 211,SMO 281

Contact time: 2 lpw 2 dpw

Period of presentation: Year

Language of tuition: English

Credits: 11

Module content:

This module is the study of the development, macroscopic and microscopic structure and function of tissue of the mouth and related structures with emphasis on the application in clinical dentistry. This module also includes the study of relevant molecular biology.

MFP 270 Maxillo-facial pathology 270

Academic organisation: Oral Pathology and Oral Biology

Prerequisite: FLG 170,GMB 170, MDB 170, TBW 170, ODO 170, PDL 170, DFA 170, VKM 170, GAP 170, RAD 170

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: English

Credits: 4

Module content:

The module Maxillo-facial pathology, will empower the qualified oral hygienist to:

- acquire a basic knowledge of the embryology, topographical and functional anatomy of the head and neck region and to integrate this with the radiological and clinical findings;
- acquire knowledge with regard to the aetiology and pathogenesis of diseases of the head and neck region and to recognise the clinicopathological signs thereof; and
- appropriately manage such diseases and to evaluate the effectiveness thereof.

MFP 371 Maxillo-facial pathology 371

Academic organisation: Oral Pathology and Oral Biology

Prerequisites: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271

Contact time: 1 lpw for 30 weeks

Period of presentation: Year

Language of tuition: Double medium

Credits: 8

Module content:

This module introduces the oral hygiene student to the maxillo-facial pathology commonly encountered in general practice. It will enable the student to differentiate between variants of normal and pathological lesions. A basic knowledge of the etiology, pathogenesis, and clinical appearance of the lesions will be acquired. Selected treatment modalities relevant to the oral hygienist will also be discussed in this module.

MFP 470 Maxillo-facial pathology 470

Academic organisation: Oral Pathology and Oral Biology

Prerequisite: GNK 388, MDB 370, TGG 370, FSG 370, FAR 370, RAD 370, TBW 370, ODO 370, PDL 370, DFA 370

Contact time: 1 lpw 1 ppw 1 dpw 1 other per week

Period of presentation: Year

Language of tuition: English

Credits: 11

Module content:

The modules in this subject will empower the student with knowledge of the embryology, anatomy, physiology and pathology of the oral mucosa, the salivary glands, intra- and extraoral soft tissue and bone in order to diagnose and manage lesions, diseases and conditions of the oral mucosa, salivary glands, intra and extraoral soft tissue and bone.

MFP 570 Maxillo-facial pathology 570

Academic organisation: Oral Pathology and Oral Biology

Prerequisite: TBW 470, ODO 470, MFP 470, PDL 470, DFA 470, OFC 470, PTK 470, GAP 470, TMZ 470

Contact time: 1 dpw 1 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

Module content:

The modules in this subject will empower the student with knowledge of the embryology,

anatomy, physiology and pathology of the oral mucosa, the salivary glands, intra- and extraoral soft tissue and bone in order to diagnose and manage lesions, diseases and conditions of the oral mucosa, salivary glands, intra and extraoral soft tissue and bone.

MGK 571 Oral medicine 571

Academic organisation: Periodontics and Oral Medicine

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 2

MGW 112 People and their environment 112

Academic organisation: Sociology

Contact time: 4 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 6

Module content:

This module comprises basic psychology and sociology concepts relevant to Medicine, and to Dentistry, in the case of BChD students.

Basic psychiatric concepts are also taught.

MHI 200 Oral hygiene 200

Academic organisation: Community Dentistry

Prerequisite: MHI 100, ANH 100, FSG 101, MBG 106, THM 100, TPG 100, NHS 100, RON 100

Contact time: 1 lpw 7 ppw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 38

MNX 310 Medical nutrition therapy 310

Academic organisation: Human Nutrition

Prerequisites: 3rd-year status

Contact time: 2 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 9

Module content:

Introduction to the origin of diseases as a consequence of programmed changes that occur during impaired intrauterine growth and development. Aetiology and clinical manifestations of under-nutrition/PEM; principles and practices of medical nutrition therapy in under-nutrition/PEM; impact and influence of worm infestation. Congenital heart disease and special problems related to children with congenital heart disease. Relationship between malnutrition and Aids; role of nutrition in immunity within the context of HIV/Aids; clinical signs, symptoms and problems associated with Aids and guidelines for the alleviation of these symptoms; nutritional related problems of medication used by Aids patients. Appropriate practical assignments and case studies.

MNX 322 Medical nutrition therapy 322

Academic organisation: Human Nutrition

Prerequisite: FLG 221, FLG 222, BCM 261, BCM 262, VDS 221, HNT 220, AGV 413, BCM 251, BCM 252, DTT 222

Contact time: 3 dpw 4 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 50

Module content:

Nutrition care process. Role of diet and nutrition in the etiology and treatment of undernourishment, obesity, diabetes mellitus, hypoglycaemia, hypertension, hyperlipoproteinaemia and coronary heart disease. Disorders of the renal system. Nutrient-drug interactions. Basic principles of special nutritional care, special feeding methods and products. Appropriate practical assignments and case studies in order to practise the nutrition care process.

MNX 323 Medical nutrition therapy 323

Academic organisation: Human Nutrition

Prerequisites: 3rd-year status

Contact time: 4 lpw 2 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 36

Module content:

Relationships between obesity, hypertension, cardiovascular disease, insulin resistance and concomitant health risks. Aetiology, pathophysiology and manifestation(s) of type 1 and type 2 Diabetes Mellitus, gestational diabetes and impaired glucose tolerance; principles and practices of medical nutrition therapy of diabetes mellitus integrated with medical/pharmacological treatment; dietary treatment/prevention of complications; dietary adaptations when exercising and life style/behaviour modification. Aetiology and clinical manifestations of cardiovascular; principles and practices of medical nutrition therapy in CVD. Aetiology and clinical manifestation(s) of renal disease conditions; principles and practices of medical nutrition therapy in renal conditions (nephritic syndrome, nephrotic syndrome, acute and chronic renal failure, nephrolithiasis). Nutrient-drug interactions. Metabolic response to acute and chronic stress. Principles of special nutritional care, special feeding methods and products required for injured/critically ill patients. Appropriate practical assignments and case studies.

MNX 411 Medical nutrition therapy 411

Academic organisation: Human Nutrition

Prerequisite: FLG 312,FLG 314,FAR 381,FAR 382,MRZ 310,NTA 313,RCH 310,DTT 310,VDS 320,VDB 320

Contact time: 3 dpw 6 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 35

Module content:

The role of diet and nutrition in the aetiology and treatment of diseases of the gastrointestinal tract and related organs, metabolic disorders and gout, diseases of neurological origin, prematurity and paediatric disease conditions. Nutritional care of physiological trauma and cancer. Nutrient-drug interactions. Appropriate practical assignments and case studies (practising the nutrition care process).

MNX 480 Internship training in medical nutrition therapy 480

Academic organisation: Human Nutrition

Prerequisite: DTT 310,DTT 320,FAR 381,FAR 382,FLG 312,FLG 314,MNX 322,MRZ 310,NTA 313,RCH 310

Contact time: 5 dpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 50

MPG 200 Oral pathology 200

Academic organisation: Oral Pathology and Oral Biology

Prerequisite: MHI 100, ANH 100, FSG 101, MBG 106, THM 100, TPG 100, NHS 100, RON 100

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: English

Credits: 4

MPG 500 Oral pathology 500

Academic organisation: Oral Pathology and Oral Biology

Prerequisite: CHP 401, ANE 400, CHR 401, IGK 401, KGM 400, HTH 400, MPG 400, MDB 410, ORD 400, RON 400

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 8

MPG 702 Oral pathology 702

Academic organisation: Oral Pathology and Oral Biology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 100

MRZ 310 Ethics and law in health care 310

Academic organisation: Physiotherapy

Prerequisite: FSG 251, FSG 252, FSG 261, FSG 262, ANP 210, GMB 252, GMB 253, FTP 231, FTP 241, POL 251

Contact time: 1 web-based period per week 1 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

Consult the head: Human nutrition division for the syllabus.

MTS 200 Medical applied psychology 200

Academic organisation: Psychiatry

Prerequisite: RFI 110, RAW 100, RAN 100, FSG 102

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: English

Credits: 9

NAN 211 Neuroanatomy for communication pathology 211

Academic organisation: Anatomy

Contact time: 1 lpw 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 3

Module content:

This module focuses on the theory and practical experience of the structure of the central nervous system, course and distribution of the cranial nerves and embryology of the central nervous system. Division; embryology of the central nervous system; histology of the nervous system; gross anatomy: spinal cord, brain stem, cerebral hemispheres, ventricles, meninges and circulation of cerebro-spinal fluid, blood circulation, cranial nerves, autonomic nervous system and tracts of the CNS.

NFG 221 Neurophysiology 221**Academic organisation:** Physiology**Prerequisite:** FSG 110, FSG 120**Contact time:** 2 lpw**Period of presentation:** Semester 2**Language of tuition:** Double medium**Credits:** 4**Module content:**

*Requires FSG 110 and FSG 120

In this module neurophysiology is studied. Sections included are neuronal physiology, the central nervous system, the peripheral nervous system, which includes the afferent as well as the efferent parts.

NHS 100 First-aid Certificate 100**Academic organisation:** Community Dentistry**Contact time:** 1 lpw 1 ppw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 2**NHS 170 First aid 170****Academic organisation:** Community Dentistry**Contact time:** 4 ppw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 3**NHS 171 First aid 171****Academic organisation:** Community Dentistry**Contact time:** 2.5 days of lectures**Period of presentation:** Semester 1**Language of tuition:** Double medium**Credits:** 5**Module content:**

The practical-orientated first-aid training will empower the oral hygiene student with a working knowledge of day-to-day emergencies, both in the workplace and at home. At this entry-level training the student will partake in the practical aspects of bleeding and wound management, cardio pulmonary resuscitation, care for unconscious patients and choking to name a few. The module content will assist the oral hygiene student in managing medical emergencies in the dental surgery.

NPE 161 Nursing practice education 161**Academic organisation:** Nursing Science**Contact time:** 1 other per week**Period of presentation:** Semester 1**Language of tuition:** English**Credits:** 24**Module content:**

Clinical learning experiences and laboratory work: these modules comprise 240 hours of compulsory clinical practical and laboratory work each (per semester). Students will complete these modules in specified healthcare units.

NB: Only selected BCur students may register for this module.

NPE 162 Nursing practice education 162**Academic organisation:** Nursing Science**Contact time:** 1 other per week**Period of presentation:** Semester 2

Language of tuition: English

Credits: 24

Module content:

Clinical learning experiences and laboratory work: these modules comprise 240 hours of compulsory clinical practical and laboratory work each (per semester). Students will complete these modules in specified healthcare units.

NB: Only selected BCur students may register for this module.

NPE 261 Nursing practice education 261

Academic organisation: Nursing Science

Prerequisite: ANA 151,ANA 152,ANA 161,ANA 162,FSG 161,FSG 162,NUR 151,NUR 152,NUR 153,NUR 154

Contact time: 1 other per week

Period of presentation: Semester 1

Language of tuition: English

Credits: 24

Module content:

Clinical learning experiences and laboratory work: these modules comprise 240 hours of compulsory clinical practical and laboratory work each (per semester). Students will complete these modules in specified healthcare units.

NB: Only selected BCur students may register for this module.

NPE 262 Nursing practice education 262

Academic organisation: Nursing Science

Prerequisite: ANA 151,ANA 152,ANA 161,ANA 162,FSG 161,FSG 162,NUR 151,NUR 152,NUR 153,NUR 154

Contact time: 1 other per week

Period of presentation: Semester 2

Language of tuition: English

Credits: 24

Module content:

Clinical learning experiences and laboratory work: these modules comprise 240 hours of compulsory clinical practical and laboratory work each (per semester). Students will complete these modules in specified healthcare units.

NB: Only selected BCur students may register for this module.

NPE 361 Nursing practice education 361

Academic organisation: Nursing Science

Prerequisite: NUR 251,NUR 252,NUR 253,NUR 254,DNP 251,DNP 252,DNP 253,DNP 254,NPE 261,NPE 262

Contact time: 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 30

Module content:

Note: NPE 361 assessment for semester mark:

General nursing science 60%, midwifery 20% and psychiatry 20%.

Final assessment: General nursing science 30% midwifery 20% psychiatry 20%, community 30%.

Clinical learning experiences and laboratory work: these modules comprise 300 hours of compulsory clinical practical work and laboratory work each (per semester). Students will complete these modules in specified healthcare units.

NB: Only selected BCur students may register for this module.

NPE 362 Nursing practice education 362

Academic organisation: Nursing Science

Prerequisite: NUR 251,NUR 252,NUR 253,NUR 254,DNP 251,DNP 252,DNP 253,DNP 254,NPE 261,NPE 262

Contact time: 1 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 30

Module content:

NB: NPE 362 semester mark:

General nursing science 20%, midwifery 40%, community/PHC 20%, management 20%.

Final assessment: General nursing science comprehensive assessment 80%.

(Pharmacology, management, general nursing science and PHC) and midwifery OSCE 20%.

Clinical learning experiences and laboratory work: these modules comprise 300 hours of compulsory clinical practical work and laboratory work each (per semester). Students will complete these modules in specified healthcare units.

NB: Only selected BCur students may register for this module.

NPE 461 Nursing practice education 461

Academic organisation: Nursing Science

Prerequisite: NUR 351,NUR 352,NUR 353,NUR 354,DNP 351,DNP 352,DNP 353,DNP 354,NPE 361,NPE 362

Contact time: 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 50

Module content:

Clinical learning experiences and laboratory work: this module comprises 500 hours of compulsory clinical practical and laboratory work each (per semester). Students will complete this module in specified healthcare units.

NB: Only selected BCur students may register for this module.

NPE 462 Nursing practice education 462

Academic organisation: Nursing Science

Prerequisite: NUR 351,NUR 352,NUR 353,NUR 354,DNP 351,DNP 352,DNP 353,DNP 354,NPE 361,NPE 362

Contact time: 1 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 50

Module content:

Clinical learning experiences and laboratory work: this module comprises 500 hours of compulsory clinical practical work and laboratory work each (per semester). Students will complete this module in specified healthcare units.

NB: Only selected BCur students may register for this module.

NTA 313 Nutritional assessment 313

Academic organisation: Human Nutrition

Prerequisite: FLG 221,FLG 222,BCM 261,BCM 262,VDS 221,HNT 220,AGV 413,GMB 254,DTT 222,VDG 250

Contact time: 1 ppw 4 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 46

Module content:

Evaluation of nutritional assessment.

Nutrition care process, overview of evaluation of nutritional status. Scientific principles of

evaluation of nutritional status; nutritional screening; clinical, biochemical and dietary evaluation of nutritional status.

Practice training: practising of theoretical principles of nutrition status evaluation in hospital/clinic and/or skills laboratory.

NUR 151 Nursing studies 151

Academic organisation: Nursing Science

Contact time: 3 lpw 2 ppw

Period of presentation: Quarter 1

Language of tuition: English

Credits: 12

Module content:

Fundamentals of nursing science

Introduction and concept clarification: nursing, nursing science, health and illness. Approaches to nursing and perspectives on human beings and their world. The art and science of nursing. Philosophical foundations of nursing. Overview of the history of nursing. Aspects of professional practice. The scientific approach to nursing. Human needs as the basis for nursing practice. The wellness-illness continuum.

NB: Only selected BCur students may register for this module.

NUR 152 Nursing studies 152

Academic organisation: Nursing Science

Contact time: 3 lpw 2 ppw

Period of presentation: Quarter 2

Language of tuition: English

Credits: 12

Module content:

Human needs and development in health and illness.

Humans as biological, psychological and spiritual beings within socio-economic and cultural contexts. Basic needs: nutrition, comfort and activity, rest and sleep, elimination, hygiene, oxygen, learning, sensory and interpersonal, pain management, safety, homeostasis, growth and development, medication needs, spiritual needs and the need for a dignified death. Self-image, own identity and self-actualisation. Relevant aspects of human nutrition. Human developmental stages and the unique needs associated with each stage.

NB: Only selected BCur students may register for this module.

NUR 153 Nursing studies 153

Academic organisation: Nursing Science

Contact time: 2 ppw 3 lpw

Period of presentation: Quarter 3

Language of tuition: English

Credits: 12

Module content:

Environment, society and communities and its influence on nursing science.

The environment as determinant of health and wellness. Environmental hygiene. Societal and community phenomena, sectors, stratification and institutions. Marginalised communities in South Africa. The impact of disease on families, communities and society. Community-based health services and the role of the hospital as community institution.

NB: Only selected BCur students may register for this module.

NUR 154 Nursing studies 154

Academic organisation: Nursing Science

Contact time: 3 lpw 2 ppw

Period of presentation: Quarter 4

Language of tuition: English

Credits: 12

Module content:

Provision of health care to communities and the nursing management of minor ailments. Comprehensive health care and the multidisciplinary team approach. Community involvement and participation in the provision of health services. Community empowerment. Introduction to public health and systems of health care. Care of the elderly. Selected minor ailments of the upper respiratory tract, oral cavity and skin: earache, sore throat, colds and flu, sinusitis, tonsillitis, halitosis and oral and integumentary health.

NB: Only selected BCur students may register for this module.

NUR 251 Nursing studies 251

Academic organisation: Nursing Science

Prerequisite: FSG 161, FSG 162, NPE 161, NPE 162, NUR 151, NUR 152, NUR 153, NUR 154, DNP 151, DNP 152

Contact time: 3 lpw 2 ppw

Period of presentation: Quarter 1

Language of tuition: English

Credits: 11

Module content:

Introduction to medical-surgical and trauma nursing science.

The medical and surgical approach to health care. Acute versus chronic illness. The influence of disease and hospitalisation on the adult health service consumer. Aspects of professional practice. Relevant assessment skills. Aspects of trauma nursing. Applied human nutrition. Intrinsic and extrinsic causes of disease. Cellular stressors, adaptive processes, abnormal cellular growth, cell damage, repair and cell death. Neoplasia and tumor pathology. General disturbances of homeostasis. Introduction to genetics and inheritance of disease. Aspects of medical emergency nursing.

NB: Only selected BCur students may register for this module.

NUR 252 Nursing studies 252

Academic organisation: Nursing Science

Prerequisite: NUR 151, NUR 152, NUR 153, NUR 154, DNP 151, DNP 152, DNP 153, DNP 154, NPE 161, NPE 162

Contact time: 2 ppw 3 lpw

Period of presentation: Quarter 2

Language of tuition: English

Credits: 11

Module content:

Surgical nursing science.

Comprehensive perioperative nursing of patients with common surgical health problems of injuries related to the musculo-skeletal, neurological, gastro-intestinal and respiratory system, the eye and reproductive health. Relevant assessment skills. Soft tissue injuries, surgical wounds and wound care techniques: wounds and wound healing, relevant assessment skills, aseptic wound care procedures (principles and techniques), modern wound care products and evidence-based practice, traumatic wounds (including burn trauma) and chronic wounds. Applied human nutrition. Inflammation, infection and necrosis.

NB: Only selected BCur students may register for this module.

NUR 253 Nursing studies 253

Academic organisation: Nursing Science

Prerequisite: NUR 151, NUR 152, NUR 153, NUR 154, DNP 151, DNP 152, DNP 153, DNP 154, NPE 161, NPE 162

Contact time: 2 lpw 2 ppw

Period of presentation: Quarter 3

Language of tuition: English

Credits: 11

Module content:

Medical nursing science.

Comprehensive medical nursing of patients with common medical health problems related to the respiratory, neurological, digestive, renal, endocrine and cardiovascular system, acute poisoning, cancer and haematological problems (anemia and leukemia) and metabolic disturbances. Disturbances of circulation and oedema formation. Overview of hypersensitivity reactions and auto-immune disorders. Examples from the clinical practice of nursing. Relevant assessment skills. Applied human nutrition.

NB: Only selected BCur students may register for this module.

NUR 254 Nursing studies 254

Academic organisation: Nursing Science

Prerequisite: NUR 151,NUR 152,NUR 153,NUR 154,DNP 151,DNP 152,DNP 153,DNP 154,NPE 161,NPE 162

Contact time: 2 ppw 2 lpw

Period of presentation: Quarter 4

Language of tuition: English

Credits: 11

Module content:

Principles of child health nursing science.

Unique needs during the childhood years. Common childhood health problems: respiratory, cardiovascular and pain management, diarrhoea, nausea and vomiting, malnutrition and failure to thrive. Applied human nutrition. The effects of hospitalisation on children and their families. Therapeutic play and support of the child and nurse-therapeutic interventions with children. The unique world of the sick child and alternative approaches to illness through play therapy. Aspects of paediatric emergency nursing.

NB: Only selected BCur students may register for this module.

NUR 255 Integrative health care 255

Academic organisation: Nursing Science

Contact time: 3 lpw

Period of presentation: Quarter 3

Language of tuition: English

Credits: 11

Module content:

Principles, perspectives, ethical-legal consideration and legislation relating to integrative health care, traditional healing in Africa, healing modalities related to natural and manual complementary therapies, nutritional and medicinal importance of indigenous plants.

NB: Only selected BCur students may register for this module.

NUR 351 Nursing studies 351

Academic organisation: Nursing Science

Prerequisite: NUR 251,NUR 252,NUR 253,NUR 254,DNP 251,DNP 252,DNP 253,DNP 254,NPE 261,NPE 262

Contact time: 4 lpw 1 ppw

Period of presentation: Quarter 1

Language of tuition: English

Credits: 18

Module content:

Gender health nursing sciences.

Male gender health nursing. Female gender health nursing. Family planning (contraception, infertility and preconception care). Sexual development and sexual

needs, gender relationships and gender issues, role identity and role conflict. Sexual deviance and sexual abuse. Violence against women and children.

NB: Only selected BCur students may register for this module.

NUR 352 Nursing studies 352

Academic organisation: Nursing Science

Prerequisite: NUR 251,NUR 252,NUR 253,NUR 254,DNP 251,DNP 252,DNP 253,DNP 254,NPE 261,NPE 262

Contact time: 4 lpw 1 ppw

Period of presentation: Quarter 2

Language of tuition: English

Credits: 18

Module content:

Midwifery science: accompaniment during pregnancy.

Overview of the perinatal period. Embryology and foetal growth and development. The normal pregnancy, unique needs of the pregnant woman and low-risk antenatal care. Relevant assessment skills. Applied human nutrition.

NB: Only selected BCur students may register for this module.

NUR 353 Nursing studies 353

Academic organisation: Nursing Science

Prerequisite: NUR 251,NUR 252,NUR 253,NUR 254,DNP 251,DNP 252,DNP 253,DNP 254,NPE 261,NPE 262

Contact time: 4 lpw 1 ppw

Period of presentation: Quarter 3

Language of tuition: English

Credits: 18

Module content:

Midwifery science: accompaniment during normal childbirth and puerperium.

The course of the intrapartum period, related needs and low-risk postnatal care. Relevant assessment skills. Applied human nutrition.

NB: Only selected BCur students may register for this module.

NUR 354 Nursing studies 354

Academic organisation: Nursing Science

Prerequisite: NUR 251,NUR 252,NUR 253,NUR 254,DNP 251,DNP 252,DNP 253,DNP 254,NPE 261,NPE 262

Contact time: 1 ppw 4 lpw

Period of presentation: Quarter 4

Language of tuition: English

Credits: 18

Module content:

Midwifery science: high-risk pregnancy.

Maternal and perinatal morbidity and mortality and notification. Risk assessment of mother and foetus. Relevant assessment skills. Nursing care related to specific health needs and problems during the antenatal period.

NB: Only selected BCur students may register for this module.

NUR 451 Nursing studies 451

Academic organisation: Nursing Science

Prerequisite: NUR 351,NUR 352,NUR 353,NUR 354,DNP 351,DNP 352,DNP 353,DNP 354,NPE 361,NPE 362

Contact time: 4 lpw 2 ppw

Period of presentation: Quarter 1

Language of tuition: English

Credits: 18

Module content:

Midwifery science: High-risk childbirth.

Abnormal course of the intrapartum period, related needs and management. Foetal monitoring. Rupture of membranes, pre-term and post-term labour. Obstetric injuries and emergencies. Nurse-therapeutic support during the lived experience of high-risk pregnancy and pregnancy-related complications. Relevant assessment skills.

NB: Only selected BCur students may register for this module.

NUR 452 Nursing studies 452

Academic organisation: Nursing Science

Prerequisite: NUR 351,NUR 352,NUR 353,NUR 354,DNP 351,DNP 352,DNP 353,DNP 354,NPE 361,NPE 362

Contact time: 4 lpw 2 ppw

Period of presentation: Quarter 2

Language of tuition: English

Credits: 18

Module content:

Midwifery science: High-risk puerperium and the high-risk neonate.

High-risk post-natal care. Characteristics and needs of the neonates. Principles of nursing care in respect of healthy and sick or high-risk neonates. Comprehensive nursing of neonates with specific problems. Relevant assessment skills. Applied human nutrition.

NB: Only selected BCur students may register for this module.

NUR 456 Nursing studies 456

Academic organisation: Nursing Science

Prerequisite: NUR 351,NUR 352,NUR 353,NUR 354,DNP 351,DNP 352,DNP 353,DNP 354,NPE 361,NPE 362

Contact time: 4 lpw 2 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 40

Module content:

Nursing elective.

An approved elective, chosen in consultation with the head of the department.

- Themes from community nursing science and primary health care
- Themes from psychiatric nursing science and therapeutic conversations
- Themes from general medical nursing science
- Themes from general surgical nursing science
- Themes from hospital-based midwifery science

The availability of electives will depend on student interest and the availability of staff and training facilities. Students need to enquire about prospective electives before registering for this module.

Ten (10) credits of the above elective should include content on research-based practice (or a research project), contemporary practice issues, international nursing studies and ethical and legal aspects of health care practice within the chosen elective.

NB: Only selected BCur students may register for this module.

ODO 170 Odontology 170

Academic organisation: Odontology

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 11

Module content:

To enable the newly qualified oral hygienist to be competent in the evaluation of the oral health status of the child, adolescent, adult and geriatric patient in terms of diseases related to the hard tissues of the oral cavity plus the pulpa and perapical tissues, and be able to:

- Correctly diagnose the diseases;
- Correctly diagnose the patient's risk profile;
- Instruct a patient to be capable of exercising self-protective practices;
- Change the behavioural pattern of the patient through motivation;
- Create resistant and optimally maintainable dental hard tissues for oral health;
- Reverse early lesions where possible; and
- Refer patients for restorative and rehabilitative treatment.

ODO 171 Odontology 171

Academic organisation: Odontology

Contact time: 2 ppw 1 other per week 1 spw 1 lpw 1 dpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 12

Module content:

This module will enable the oral hygiene student to be competent in the evaluation of the oral health status of the child, adolescent, adult and geriatric patient in terms of diseases related to the hard tissues of the oral cavity plus the pulpa and peri-apical tissues, and be able to:

- Correctly diagnose the diseases
- Correctly diagnose the patient's risk profile
- Instruct a patient to be capable of exercising self-protective measures
- Change the behavioral pattern of the patient through motivation
- Create resistant and optimally maintainable dental hard tissues for oral health
- Reverse early lesions where possible
- Refer patients for restorative and rehabilitative treatment

ODO 271 Odontology 271

Academic organisation: Odontology

Prerequisite: EOT 110, EOT 120, CIL 111, CIL 121, ACO 171, ANA 171, FAR 171, FLG 171, GMB 171, MDB 171, ODO 171, ORD 171, PDL 171, TBW 171, VKM 171, NHS 171

Contact time: 2 lpw 15 weeks, 20 p (2 h) over 30 weeks

Period of presentation: Year

Language of tuition: English

Credits: 7

Module content:

This module is a continuation of ODO 171 Odontology 171. It will enable the oral hygiene student to be competent in the evaluation of the oral health status of the child, adolescent, adult and geriatric patient in terms of diseases related to the hard tissues of the oral cavity plus the pulpa and peril-apical tissues, and be able to:

- Correctly diagnose the diseases.
- Correctly diagnose the patient's risk profile.
- Instruct a patient to be capable of exercising self-protective measures.
- Change the behavioural pattern of the patient through motivation.
- Create resistant and optimally maintainable dental hard tissues for oral health.
- Reverse early lesions where possible.
- Refer patients for restorative and rehabilitative treatment.

ODO 370 Odontology 370

Academic organisation: Odontology

Prerequisite: BOK 280,BOK 281,BOK 283,GNK 286,GNK 288,GPS 280,IKT 200,SMO 211,SMO 281

Contact time: 1 dpw 2 lpw 2.6 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 42

Module content:

The modules in the subject odontology form an integrated curriculum that is structured and presented by various lecturers from different departments of the school. The modules consist of theoretical, practical and clinical training. The theoretical training includes anatomy, embryology, histology, microbiology and pathology of the teeth and teeth structure, while the clinical training is focused on the preventive, curative, and minor rehabilitative treatment of teeth development and eruption malformations, dental caries, pulpal and peri-radicular pathology, unerupted and impacted teeth, and tooth wear as part of the ageing process.

ODO 470 Odontology 470

Academic organisation: Odontology

Prerequisite: GNK 388,MDB 370,TGG 370,FSG 370,FAR 370,RAD 370,TBW 370,ODO 370,PDL 370,DFA 370

Contact time: 4.67 ppw 1 dpw 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 71

Module content:

The modules in the subject odontology form an integrated curriculum that is structured and presented by various lecturers from different departments of the school. The modules consist of theoretical, practical and clinical training . The theoretical training includes anatomy, embryology, histology, microbiology and pathology of the teeth and teeth structure, while the clinical training is focused on the preventive, curative, and minor rehabilitative treatment of teeth development and eruption malformations, dental caries, pulpal and peri-radicular pathology, unerupted and impacted teeth, and tooth wear as part of the ageing process.

ODO 570 Odontology 570

Academic organisation: Odontology

Prerequisite: TBW 470,ODO 470,MFP 470,PDL 470,DFA 470,OFC 470,PTK 470,GAP 470,TMZ 470

Contact time: 4.67 ppw 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 57

Module content:

The modules in the subject odontology form an integrated curriculum that is structured and presented by various lecturers from different departments of the school. The modules consist of theoretical, practical and clinical training. The theoretical training includes anatomy, embryology, histology, microbiology and pathology of the teeth and teeth structure, while the clinical training is focused on the preventive, curative, and minor rehabilitative treatment of teeth development and eruption malformations, dental caries, pulpal and peri-radicular pathology, unerupted and impacted teeth, and tooth wear as part of the ageing process.

ODO 701 Integrated odontology 701

Academic organisation: Dentistry General

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

OFC 170 Oro-facial surgery 170

Academic organisation: Maxillo-Facial and Oral Surgery

Contact time: 1 ppw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 5

OFC 270 Oro-facial surgery 270

Academic organisation: Maxillo-Facial and Oral Surgery

Prerequisite: FLG 170,GMB 170,MDB 170,TBW 170,ODO 170,PDL 170,DFA 170,VKM 170,GAP 170,RAD 170

Contact time: 1 lpw 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 2

Module content:

The module in Oro-facial surgery is designed to provide the oral hygienist with knowledge and skills regarding:

- Local anaesthetics;
- Oral surgery procedures;
- Traumatology; and
- Basic knowledge regarding advanced maxillo-facial surgery.

OFC 271 Oro-facial surgery 271

Academic organisation: Maxillo-facial and Oral Surgery

Prerequisite: EOT 110, EOT 120, CIL 111, CIL 121, ACO 171, ANA 171, FAR 171, FLG 171, GMB 171, MDB 171, ODO 171, ORD 171, PDL 171, TBW 171, VKM 171, NHS 171

Contact time: 1 lpw (20 weeks) 1p (2 h) (28 weeks)

Period of presentation: Year

Language of tuition: English

Credits: 11

Module content:

This module is designed to provide the oral hygiene student with knowledge and skills regarding:

- Local anaesthetics
- Oral surgery procedures
- Traumatology
- Basic knowledge regarding advanced maxillo-facial surgery.

OFC 370 Oro-facial surgery 370

Academic organisation: Maxillo-Facial and Oral Surgery

Prerequisite: BOK 280,BOK 281,BOK 283,GNK 286,GNK 288,GPS 280,IKT 200,SMO 211,SMO 281

Contact time: 3 lpw 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

- (a) Surgical anatomy: Applied surgical anatomy.
- (b) Examination, anaesthesia, distress: Examination of a surgical patient, stress control

and sedation, local anaesthetics, local anaesthetic techniques, applied pharmacology and prescription (synoptic), emergency procedures.

- (c) Basic oral surgery: Sterilisation and disinfection, oral surgical armamentarium, exodontia and related complications, bleeding problems, antrum.
- (d) Advanced oral surgery: Apaicectomy, impactions, electro and cryosurgery, soft tissue infections and osteomyelitis, pre-prosthetic surgery (review).
- (e) Basic maxillo-facial surgery: Traumatology, surgical pathology, neuralgias, temporomandibular joint derangements.
- (f) Advanced maxillo-facial surgery: Micro surgery (review), orthognathic surgery, facial cleft deformities, cranio-facial surgery (review).

OFC 371 Oro-facial surgery 371

Academic organisation: Maxillo-facial and Oral Surgery

Prerequisite: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271

Contact time: 1 p (2 h) (30 weeks)

Period of presentation: Year

Language of tuition: Double medium

Credits: 6

Module content:

This module is a continuation of (OFC 271) Orofacial surgery 271 and consists of clinical work only.

OFC 470 Oro-facial surgery 470

Academic organisation: Maxillo-Facial and Oral Surgery

Prerequisite: GNK 388, MDB 370, TGG 370, FSG 370, FAR 370, RAD 370, TBW 370, PDL 370, ODO 370, DFA 370

Contact time: 2 ppw 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 41

Module content:

- (a) Surgical anatomy: Applied surgical anatomy.
- (b) Examination, anaesthesia, distress: Examination of a surgical patient, stress control and sedation, local anaesthetics, local anaesthetic techniques, applied pharmacology and prescription (synoptic), emergency procedures.
- (c) Basic oral surgery: Sterilisation and disinfection, oral surgical armamentarium, exodontia and related complications, bleeding problems, antrum.
- (d) Advanced oral surgery: Apaicectomy, impactions, electro and cryosurgery, soft tissue infections and osteomyelitis, pre-prosthetic surgery (review).
- (e) Basic maxillo-facial surgery: Traumatology, surgical pathology, neuralgias, temporomandibular joint derangements.
- (f) Advanced maxillo-facial surgery: Micro surgery (review), orthognathic surgery, facial cleft deformities, cranio-facial surgery (review).

OFC 570 Oro-facial surgery 570

Academic organisation: Maxillo-Facial and Oral Surgery

Prerequisite: TBW 470, ODO 470, MFP 470, PDL 470, DFA 470, OFC 470, PTK 470, GAP 470, TMZ 470

Contact time: 2 ppw 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 42

Module content:

- (a) Surgical anatomy: Applied surgical anatomy.

- (b) Examination, anaesthesia, distress: Examination of a surgical patient, stress control and sedation, local anaesthetics, local anaesthetic techniques, applied pharmacology and prescription (synoptic), emergency procedures.
- (c) Basic oral surgery: Sterilisation and disinfection, oral surgical armamentarium, exodontia and related complications, bleeding problems, antrum.
- (d) Advanced oral surgery: Apaiectomy, impactions, electro and cryosurgery, soft tissue infections and osteomyelitis, pre-prosthetic surgery (review).
- (e) Basic maxillo-facial surgery: Traumatology, surgical pathology, neuralgias, temporomandibular joint derangements.
- (f) Advanced maxillo-facial surgery: Micro surgery (review), orthognathic surgery, facial cleft deformities, cranio-facial surgery (review).

OFT 470 Oro-facial surgery 470

Academic organisation: Maxillo-Facial and Oral Surgery

Contact time: 1 dpw 1 lpw 2 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 13

ORD 170 Orthodontics 170

Academic organisation: Orthodontics

Contact time: 1 dpw 1 lpw 1 other per week 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

The module in dento-craniofacial anomalies, will empower the newly qualified oral hygienist to recognise and refer limited developmental and structural abnormalities of the growing and mature dento-craniofacial structures.

ORD 171 Orthodontics 171

Academic organisation: Orthodontics

Contact time: 1 ppw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 9

Module content:

This module will empower the oral hygiene student to recognise and refer limited developmental and structural abnormalities of the growing and mature dento-craniofacial structures. It will furthermore provide the student with the knowledge and skills to perform orthodontic procedures pertaining to the scope of oral hygiene. This module will comprise lectures only.

ORD 271 Orthodontics 271

Academic organisation: Orthodontics

Contact time: 1 p (2 h) (30 weeks)

Period of presentation: Year

Language of tuition: English

Credits: 6

Module content:

This module will empower the oral hygiene student to recognise and refer limited developmental and structural abnormalities of the growing and mature dento-craniofacial structures. It will furthermore provide the student with the knowledge and skills to perform orthodontic procedures pertaining to the scope of oral hygiene. The module consists of lectures and clinical work.

ORD 370 Orthodontics 370

Academic organisation: Orthodontics

Contact time: 1 spw 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

The modules in this subject extend over the third, fourth and fifth years of study.

Lectures, practical and clinical work, seminars and discussions on the following:

- (a) Basic principles and therapeutic measures.
- (b) Occlusion: development and morphology.
- (c) Development and growth: cranium.
- (d) Stainless steel: properties and uses.
- (e) Orthodontic devices: requirements and types.
- (f) Changes in tissue.
- (g) Malocclusion: classification and aetiology.
- (h) Examination, aids, diagnosis and planning.
- (i) Bad habits.
- (j) Preventive and interceptive orthodontics.
- (k) Treatment: principles, problems with space, methods.
- (l) The role of extraction.
- (m) Retention.

ORD 372 Orthodontics 372

Academic organisation: Orthodontics

Prerequisite: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271

Contact time: 1 lpw (15 weeks) 2 p (2 h) (30 weeks)

Period of presentation: Year (elective)

Language of tuition: English

Credits: 22

Module content:

This module is chosen as an elective and planned around orthodontics as a main field of study. This module will include:

- Cephalometric analysis
- Different fixed orthodontic techniques
- Orthodontic procedures pertaining to the scope of oral hygiene
- Presentation of seminars.

ORD 470 Orthodontics 470

Academic organisation: Orthodontics

Contact time: 1 lpw 1 dpw 1 ppw 1 other per week

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 21

Module content:

The modules in this subject extend over the third, fourth and fifth years of study.

Lectures, practical and clinical work, seminars and discussions on the following:

- (a) Basic principles and therapeutic measures.
- (b) Occlusion: development and morphology.
- (c) Development and growth: cranium.
- (d) Stainless steel: properties and uses.
- (e) Orthodontic devices: requirements and types.
- (f) Changes in tissue.
- (g) Malocclusion: classification and aetiology.

- (h) Examination, aids, diagnosis and planning.
- (i) Bad habits.
- (j) Preventive and interceptive orthodontics.
- (k) Treatment: principles, problems with space, methods.
- (l) The role of extraction.
- (m) Retention.

ORD 500 Orthodontics 500

Academic organisation: Orthodontics

Prerequisite: CHP 401, ANE 400, CHR 401, IGK 401, KGM 400, HTH 400, MPG 400, MDB 410, ORD 400, RON 400

Contact time: 1 ppw 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 10

ORD 570 Orthodontics 570

Academic organisation: Orthodontics

Contact time: 1 other per week 1 lpw 1 ppw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 22

Module content:

The modules in this subject extend over the third, fourth and fifth years of study.

Lectures, practical and clinical work, seminars and discussions on the following:

- (a) Basic principles and therapeutic measures.
- (b) Occlusion: development and morphology.
- (c) Development and growth: cranium.
- (d) Stainless steel: properties and uses.
- (e) Orthodontic devices: requirements and types.
- (f) Changes in tissue.
- (g) Malocclusion: classification and aetiology.
- (h) Examination, aids, diagnosis and planning.
- (i) Bad habits.
- (j) Preventive and interceptive orthodontics.
- (k) Treatment: principles, problems with space, methods.
- (l) The role of extraction.
- (m) Retention.

ORD 701 Orthodontics 701

Academic organisation: Orthodontics

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 100

PDL 170 Periodontology 170

Academic organisation: Periodontics and Oral Medicine

Contact time: 1 lpw 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 7

Module content:

The oral hygiene student is provided with the knowledge and skills to assess periodontal diseases. The student should recognise, diagnose, refer and identify the risk factors concerning relevant systemic diseases. The oral hygienist should be able to design, coordinate, implement and evaluate an effective, primary, preventive and therapeutic

periodontal treatment plan for the patient. The oral hygiene student should participate in the prevention, treatment and maintenance of periodontal health as part of the overall health of their patients and the community.

PDL 171 Periodontology 171

Academic organisation: Periodontics and Oral Medicine

Contact time: 2 lpw 1 ppw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 12

Module content:

This module will provide the oral hygiene student with knowledge of the:

- Macro and microscopic features of the periodontium
- Function of the periodontium
- Assessment and diagnosis of periodontal diseases
- Determine risk factors of periodontal diseases

PDL 271 Periodontology 271

Academic organisation: Periodontics and Oral Medicine

Prerequisite: EOT 110, EOT 120, CIL 111, CIL 121, ACO 171, ANA 171, FAR 171, FLG 171, GMB 171, MDB 171, ODO 171, ORD 171, PDL 171, TBW 171, VKM 171, NHS 171

Contact time: 1 lpw 16 weeks, 1 p (2 h) 30 weeks

Period of presentation: Year

Language of tuition: Double medium

Credits: 11

Module content:

This module is a continuation of (PDL 171) Periodontology 171 and will provide the oral hygiene student with knowledge of:

- Periodontal diseases
- Pathogenesis of periodontal diseases
- Implantology
- Surgical procedures

The module will also enable the oral hygiene student to:

- compile, exercise and evaluate a comprehensive and effective preventive, therapeutic and maintenance plan for the periodontal patient; and
- actively participate in the prevention, treatment and maintenance of periodontal conditions.

PDL 370 Periodontology 370

Academic organisation: Periodontics and Oral Medicine

Prerequisite: BOK 280, BOK 281, BOK 283, GNK 286, GNK 288, GPS 280, IKT 200, SMO 211, SMO 281

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 8

Module content:

- (i) The modules in the subject are offered in the third, fourth and fifth years of study.
- (ii) The depth and weighting of the knowledge base and the clinical application and interpretation of the modules will be dependent on the year of study.
- (iii) The goal is to educate and train general dental practitioners who will be able to apply their expertise and knowledge in the prevention and treatment of periodontal diseases in both the public and private sectors within the scope of the dental practitioner. In order to achieve this, the student must know the embryology, normal

anatomy, histology and functions of the periodontium.

- The student must understand the aetiology, pathogenesis, the risk and other factors associated with the various forms of periodontal diseases, and their classification.
- The student must be able to perform a comprehensive clinical examination and use the information so gained to arrive at a diagnosis and treatment plan.
- The student must become proficient in applying preventive control methods, to supply oral hygiene methods and applicable instructions to the patient; motivating the patient; scaling and root planing; be able to correctly evaluate the tissue response to these procedures; be able to differentiate clinically between the various forms of periodontal disease and be able to perform clinical procedures associated with the treatment of early and moderate stages of periodontal diseases.
- The student must understand the treatment possibilities associated with established and advanced periodontal diseases, including regenerative procedures and implant treatment, and when and to whom, such patients should be referred for specialist diagnosis and treatment, should this be necessary.

PDL 372 Periodontology 372

Academic organisation: Periodontics and Oral Medicine

Prerequisite: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271

Contact time: 1 lpw (15 weeks), 2 p (2h) 30 weeks)

Period of presentation: Year (elective)

Language of tuition: Double medium

Credits: 22

Module content:

This module is chosen as an elective around the field of periodontics as main field of study. The module will provide the oral hygiene student with an in-depth overview of the current status of periodontics with the emphasis on the clinical application, understanding and role of the oral hygienist as part of the team. The purpose is to train the oral hygiene student to be competent in applying his/her expertise and knowledge in the prevention and treatment of periodontal diseases.

PDL 470 Periodontology 470

Academic organisation: Periodontics and Oral Medicine

Prerequisite: GNK 388, MDB 370, TGG 370, FSG 370, FAR 370, RAD 370, TBW 370, ODO 370, PDL 370, DFA 370

Contact time: 1 dpw 1 ppw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 8

Module content:

- (i) The modules in the subject are offered in the third, fourth and fifth years of study.
- (ii) The depth and weighting of the knowledge base and the clinical application and interpretation of the modules will be dependent on the year of study.
- (iii) The goal is to educate and train general dental practitioners who will be able to apply their expertise and knowledge in the prevention and treatment of periodontal diseases in both the public and private sectors within the scope of the dental practitioner. In order to achieve this, the student must know the embryology, normal anatomy, histology and functions of the periodontium. The student must understand the aetiology, pathogenesis, the risk and other factors associated with the various forms of periodontal diseases, and their classification. The student must be able to perform a comprehensive clinical examination and use the information so gained to

arrive at a diagnosis and treatment plan. The student must become proficient in applying preventive control methods, to supply oral hygiene methods and applicable instructions to the patient; motivating the patient; scaling and root planing; be able to correctly evaluate the tissue response to these procedures; be able to differentiate clinically between the various forms of periodontal disease and be able to perform clinical procedures associated with the treatment of early and moderate stages of periodontal diseases. The student must understand the treatment possibilities associated with established and advanced periodontal diseases, including regenerative procedures and implant treatment, and when and to whom, such patients should be referred for specialist diagnosis and treatment, should this be necessary.

PDL 570 Periodontology 570

Academic organisation: Periodontics and Oral Medicine

Prerequisite: TBW 470,ODO 470,MFP 470,PDL 470,DFA 470,OFC 470,PTK 470, GAP 470,TMZ 470

Contact time: 1 ppw 3 dpw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

- (i) The modules in the subject are offered in the third, fourth and fifth years of study.
- (ii) The depth and weighting of the knowledge base and the clinical application and interpretation of the modules will be dependent on the year of study.
- (iii) The goal is to educate and train general dental practitioners who will be able to apply their expertise and knowledge in the prevention and treatment of periodontal diseases in both the public and private sectors within the scope of the dental practitioner. In order to achieve this, the student must know the embryology, normal anatomy, histology and functions of the periodontium. The student must understand the aetiology, pathogenesis, the risk and other factors associated with the various forms of periodontal diseases, and their classification. The student must be able to perform a comprehensive clinical examination and use the information so gained to arrive at a diagnosis and treatment plan. The student must become proficient in applying preventive control methods, to supply oral hygiene methods and applicable instructions to the patient; motivating the patient; scaling and root planing; be able to correctly evaluate the tissue response to these procedures; be able to differentiate clinically between the various forms of periodontal disease and be able to perform clinical procedures associated with the treatment of early and moderate stages of periodontal diseases. The student must understand the treatment possibilities associated with established and advanced periodontal diseases, including regenerative procedures and implant treatment, and when and to whom, such patients should be referred for specialist diagnosis and treatment, should this be necessary.

PHG 315 Subject-oriented literature 315

Academic organisation: Physiology

Prerequisite: PHG 211,PHG 212,PHG 221,PHG 222

Contact time: 1 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 2

PHG 323 Subject integration 323

Academic organisation: Physiology

Prerequisite: PHG 211,PHG 212,PHG 221,PHG 222,PHG 313,PHG 314

Contact time: 1 ppw 4 lpw
Period of presentation: Semester 2
Language of tuition: Both Afr and Eng **Credits:** 10

PHG 325 Higher neurological functions 325
Academic organisation: Physiology
Prerequisite: PHG 211,PHG 222,PHG 314
Contact time: 1 ppw 1 lpw
Period of presentation: Semester 2
Language of tuition: Both Afr and Eng **Credits:** 4

PHG 326 Applied practical 326
Academic organisation: Physiology
Contact time: 2 ppw
Period of presentation: Semester 2
Language of tuition: Both Afr and Eng **Credits:** 5

PMG 400 Periodontics and oral medicine 400
Academic organisation: Periodontics and Oral Medicine
Prerequisite: ANP 300,GMB 301,FAR 306,MDB 302,TTG 300,HTH 300,KMH 300
Contact time: 2 lpw 1 ppw
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 10

POH 371 Public oral health 371
Academic organisation: Community Dentistry
Prerequisite: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271
Contact time: 1 lpw (15 weeks) 2 p (2 h) (30 weeks)
Period of presentation: Year (elective)
Language of tuition: Double medium **Credits:** 22
Module content:

This module is chosen as an elective to further studies in the field of community dentistry. This module will provide the oral hygiene student with a deeper understanding and skills in the fields of preventive dentistry, oral epidemiology, and administration and management. This will enable him/her to develop and manage a needs-related preventive programme for the individual high-risk patient and also for a specific community or population. Students will be expected to submit a mini-research report demonstrating their understanding and skills in the field of public oral health. The main subject consists of four syllabus themes, namely:

- Preventive dentistry
- Oral epidemiology
- Project management
- Mini-research report.

POL 251 Professional development and leadership 251
Academic organisation: Physiotherapy
Prerequisite: PHY 131,CMY 151,FSG 161,FSG 162,SLK 110,FTP 100,ANA 152,SLK 120,ANA 162
Contact time: 1 web-based period per week 1 lpw 2 ppw
Period of presentation: Semester 1
Language of tuition: Both Afr and Eng **Credits:** 3

Module content:

Ethics in physiotherapy practice. Counselling skills. Group dynamics. Interviews with patients. Health team. Evidence-based practice. Understanding disability. Using the international classification. Preventing sexual harassment. Assessing a patient. Working with an interpreter/translator. Motivation. Training feedback.

POL 300 Professional development and leadership 300

Academic organisation: Physiotherapy

Prerequisite: FSG 251, FSG 252, FSG 261, FSG 262, ANP 210, GMB 252, GMB 253, FTP 231, FTP 241, POL 251

Contact time: 1 ppw 1 lpw 1 web-based period per week 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 13

Module content:

Evidence-based practice, ethics in physiotherapy practice, counselling skills, group dynamics, management of human behaviour, medico-legal documentation. Introduction to marketing, information management, principles of research in physiotherapy, single subject design. Problem-solving in a variety of health and healthcare situations.

POL 400 Professional development and leadership 400

Academic organisation: Physiotherapy

Prerequisite: MRZ 310, RHC 451, RHC 452, FAR 381, FAR 382, FTP 300, FTP 301, POL 300

Contact time: 2 ppw 1 web-based period per week 1 lpw 2 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 19

Module content:

Theoretical and practical handling of marketing, management models, financial management, presentation of a scientific paper, diversity in the workplace, continuing professional development, quality assurance, management human behaviour, private practice management, labour relations.
Examination period: October/November.

PRD 701 Prosthodontics 701

Academic organisation: Prosthodontics

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 100

PRN 571 Periodontics 571

Academic organisation: Periodontics and Oral Medicine

Contact time: 1 lpw 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 8

PRN 701 Periodontics 701

Academic organisation: Periodontics and Oral Medicine

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 100

PRS 461 Practice management 461

Academic organisation: Human Nutrition

Prerequisite: FLG 312,FLG 314,FAR 381,FAR 382,MRZ 310,RCH 310,NTA 313,DTT 310,VDS 320,VDB 320

Contact time: 1 lpw

Period of presentation: Quarter 4

Language of tuition: Double medium

Credits: 5

Module content:

Administration and finances (personal and business).

PSB 270 Patients with special needs 270

Academic organisation: Community Dentistry

Prerequisite: FLG 170,GMB 170, MDB 170, TBW 170, ODO 170, PDL 170, DFA 170, VKM 170, GAP 170, RAD 170

Contact time: 1 lpw 2 dpw

Period of presentation: Year

Language of tuition: Afr and Eng

Credits: 8

Module content:

To train an oral hygienist in the necessary skills, efficiency and aptitude in an integrated, holistic and comprehensive manner to develop, implement and evaluate a needs-driven primary and basic secondary preventive treatment plan for the patient with special needs. The oral hygienist must also be able to evaluate the patient's general health and bring it into context with the oral health treatment plan by modifying and adapting it to the advantage of the general health of the patient.

PSB 371 Patients with special needs 371

Academic organisation: Community Dentistry

Prerequisites: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271

Contact time: 2 lpw for 30 weeks 1 seminar for 3 hours

Period of presentation: Year

Language of tuition: Double medium

Credits: 12

Module content:

Patients with special needs pose unique challenges, especially in relation to the need for an inventive and carefully planned approach suited to each individual's needs. This module will therefore equip the oral hygiene student to manage patients in this regard. The focus is on adapting and modifying the approach and management of the patient according to the specific need for instance pregnancy, physical and mental disabilities, medical conditions and age.

PRD 370 Prosthodontics 370

Academic organisation: Prosthodontics

Prerequisite: BOK 280,BOK 281,BOK 283,GNK 286,GNK 288,GPS 280,IKT 200,SMO 211,SMO 281

Contact time: 2 dpw 3 ppw 3 lpw

Period of presentation: Year

Language of tuition: English

Credits: 41

Module content:

Examination and evaluation of the denture patient, principles and taking of impressions, determination of vertical and horizontal jaw relations and facial bow recording. Aesthetics. Fitting and placing of the finished denture. Post treatment. Clinical aspects of manufacturing of complete and partial dentures, obturators and special apparatus.

PRD 470 Prosthodontics 470

Academic organisation: Prosthodontics

Prerequisite: GNK 388, MDB 370, TGG 370, FSG 370, FAR 370, RAD 370, TBW 370, ODO 370, PDL 370, DFA 370

Contact time: 1 lpw 2 ppw

Period of presentation: Year

Language of tuition: Double medium

Credits: 26

Module content:

Examination and evaluation of the denture patient, principles and taking of impressions, determination of vertical and horizontal jaw relations and facial bow recording. Aesthetics. Fitting and placing of the finished denture. Post treatment. Clinical aspects of manufacturing of complete and partial dentures, obturators and special apparatus.

PTK 500 Prosthetics 500

Academic organisation: Prosthodontics

Prerequisite: CHP 401, ANE 400, CHR 401, IGK 401, KGM 400, HTH 400, MPG 400, MDB 410, ORD 400, RON 400

Contact time: 1 lpw 2 ppw

Period of presentation: Year

Language of tuition: Double medium

Credits: 12

PRD 570 Prosthodontics 570

Academic organisation: Prosthodontics

Prerequisite: TBW 470, ODO 470, MFP 470, PDL 470, DFA 470, OFC 470, PTK 470, GAP 470, TMZ 470

Contact time: 1 dpw 1 lpw 2 ppw

Period of presentation: Year

Language of tuition: Double medium

Credits: 26

Module content:

Examination and evaluation of the denture patient, principles and taking of impressions, determination of vertical and horizontal jaw relations and facial bow recording. Aesthetics. Fitting and placing of the finished denture. Post treatment. Clinical aspects of manufacturing of complete and partial dentures, obturators and special apparatus.

RAD 170 Radiography 170

Academic organisation: Dental Management Sciences

Contact time: 1 lpw 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

The student must be competent to produce a variety of intra and extra-oral radiographs of good diagnostic quality. He/she must also recognise relevant anatomical landmarks on a radiograph and distinguish between normal and abnormal appearances. He/she must at all times be conscious of possible deleterious effects of radiation on biological systems.

RAD 270 Radiography 270

Academic organisation: Dental Management Sciences

Prerequisite: FLG 170, GMB 170, MDB 170, TBW 170, ODO 170, PDL 170, DFA 170, VKM 170, GAP 170, RAD 170

Contact time: 2 ppw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 13

Module content:

The student must be competent to produce a variety of intra and extra-oral radiographs of good diagnostic quality. He/she must also recognise relevant anatomical landmarks on a radiograph and distinguish between normal and abnormal appearances. He/she must at all times be conscious of possible deleterious effects of radiation on biological systems.

RAD 271 Radiography 271

Academic organisation: Oral Pathology and Oral Biology

Prerequisite: EOT 110, EOT 120, CIL 111, CIL 121, ACO 171, ANA 171, FAR 171, FLG 171, GMB 171, MDB 171, ODO 171, ORD 171, PDL 171, TBW 171, VKM 171, NHS 171

Contact time: 1 lpw (30 weeks) 2 p (2 h) (30 weeks)

Period of presentation: Year

Language of tuition: Double medium

Credits: 20

Module content:

The oral hygiene student must be competent to produce a variety of intra and extra-oral radiographs of good diagnostic quality. He/she must also recognise relevant anatomical landmarks on a radiograph and distinguish between normal and abnormal appearances. He/she must at all times be conscious of possible deleterious effects of radiation on biological systems.

RAD 370 Diagnostic imaging 370

Academic organisation: Dental Management Sciences

Prerequisite: BOK 280, BOK 281, BOK 283, GNK 286, GNK 288, GPS 280, IKT 200, SMO 211, SMO 281

Contact time: 2 ppw 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 6

RAD 371 Radiography 371

Academic organisation: Oral Pathology and Oral Biology

Prerequisite: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271

Contact time: 1 lpw (30 weeks) 2 p (2 h) (30 weeks)

Period of presentation: Year

Language of instruction: Double medium

Credits: 20

Module content:

This module is aimed at providing the oral hygiene student with the necessary skills, attitude and relevant knowledge by studying the following aspects in radiation physics relevant to dentistry:

- Electromagnetic waves – their properties and behaviour
- X-rays – their specific properties, sources of X-rays and production of X-rays
- Construction of the X-ray tube
- Accurate image formation
- Interaction of photons with living tissues
- Radiation biology
- Radiation protection
- ALARA principle
- Quality control measures.

This module furthermore entails practical work in the Radiology section.

RAD 470 Diagnostic imaging 470

Academic organisation: Dental Management Sciences

Prerequisite: GNK 388, MDB 370, TGG 370, FSG 370, FAR 370, GPS 370, TBW 370, ODO 370, PDL 370, ORD 370, OFC 370, PTK 370, RAD 370

Contact time: 1 ppw 28 weeks 1 dpw 6 weeks

Period of presentation: Year

Language of tuition: English

Credits: 13

RAD 570 Diagnostic imaging 570

Academic organisation: Dental Management Sciences

Prerequisites: TBW 470, ODO 470, MFP 470, PDL 470, ORD 470, OFC 470, PTK 470, GAP 470, TMZ 470, RAD 470

Contact time: 1 ppw 14 weeks 1 dpw 3 weeks

Period of presentation: Semester 1

Language of tuition: English

Credits: 8

RAN 100 Radiographic anatomy 100

Academic organisation: Anatomy

Contact time: 1 ppw 2 lpw

Period of presentation: Year

Language of tuition: English

Credits: 20

Module content:

General introduction to anatomy: Anatomical terminology, surface and regional anatomy, histology of basic tissues; ossification, healing and repair.

Introduction to osteology.

Regional anatomy I: Thoracic skeleton and thoracic soft tissues; osteology; joints and soft tissues of the extremities; osteology and joints of the vertebral column; abdominal surface anatomy; osteology and soft tissue of the pelvis. Skull I: Cranium and facial bones.

Radiographic anatomy I: Regional radiographic anatomy, with emphasis on the skeletal components.

RAN 280 Radiographic anatomy 280

Academic organisation: Anatomy

Prerequisite: RFI 110, MTL 180, RAN 100, FSG 161, FSG 162, RAW 182, RAW 180

Contact time: 1 dpw 1 other per week 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

Module content:

Systemic anatomy I: Digestive and urogenital systems.

Sensory organs: Skin; eye; ear; nose; tongue.

Skull II: Advanced osteology; base of cranium; openings and sinuses.

Radiographic anatomy II: Systemic anatomy with emphasis on soft tissue components.

RAN 380 Radiographic anatomy 380

Academic organisation: Anatomy

Prerequisite: RFI 210, RFI 211, RAN 280, FSG 251, FSG 252, FSG 262

Contact time: 1 dpw 2 lpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 10

Module content:

Systemic anatomy II: Female reproductive system and breast; Cardiovascular system;

Cerebrospinal fluid system. Introduction to neuroanatomy.
Regional cross-sectional anatomy: Cranium, brain; thorax; abdomen; pelvis and limbs.
Radiographic anatomy III: Systemic and cross-sectional anatomy with emphasis on three-dimensional reconstruction.

RAW 180 Radiography 180

Academic organisation: Radiographic Sciences

Contact time: 1 spw 4 dpw 1 lpw

Period of presentation: Year

Language of tuition: English

Credits: 50

Module content:

- (a) Introduction to radiography. Concepts of ethics, profession and professionalism. Professional standards in radiography. Communication skills: interpersonal and scientific. Radiation protection concepts and equipment. Principles of infection control. Radiographic procedures and positioning principles. Care of the patient. Pathological condition. Related imaging modalities.
- (b) Patients with special problems. Handling of paediatric patients and geriatric patients.
- (c) Radiographic examinations: thorax, abdomen, extremities, hip, pelvis, spine and skull. Theoretical and practical instruction is used to integrate basic sciences and clinical radiography. Procedural considerations and positioning techniques. Selection of technique factors. Radiation protection. Pathological conditions and film evaluation. Problem-solving. Execution of radiographic examinations and procedures. Trauma.

RAW 182 Radiographic imaging 182

Academic organisation: Radiographic Sciences

Contact time: 1 lpw 1 spw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Introduction: Discovery of X-rays, processing principles, handling of x-ray equipment. X-beam: production of X-rays, attenuation.
Properties of the radiographic image: visibility and geometric properties.
Image formation: interaction between X-rays and the human body and subject contrast.
Primary exposure factors: mAs, kVp and SID. AEC. Principles of technique charts.
Image recording: darkrooms, cassettes, intensifying screens, efficiency of rare earth intensifying screens and X-ray film construction.
Control of scatter radiation: production of scatter, effect of scattered radiation on the image, beam restriction devices, grids and grid efficiency.
Geometry: focal spot size, SID, OID, X-ray beam/body part/film alignment, influence of distances and other variables on the geometric properties of the image. Introduction to digital radiography.

RAW 280 Radiography 280

Academic organisation: Radiographic Sciences

Prerequisite: RAN 100,RFI 110,FSG 161,FSG 162,RAW 180,RAW 182,MTL 180

Contact time: 3 dpw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 54

Module content:

Skeletal system: Procedures and techniques for: positioning, patient care, selection of technique factors, radiation protection, pathological conditions and film evaluation.

Problem-solving. Execution of radiographic examinations and procedures. Trauma. Alternative imaging and film principles and procedures. Apparatus. Radiation protection. Radiographic procedures: Execution of radiographic examinations and procedures, selection of technique factors, radiation protection, problem-solving, pathological conditions and film evaluation for neonatal and mobile unit procedures. Orthopaedic theatre procedures. Soft tissue contrast media examinations. Applied nursing sciences. Research principles. Practical implementation: Compilation of a portfolio. Theoretical and practical tuition are used to integrate science and clinical radiography.

RAW 282 Radiographic imaging 282

Academic organisation: Radiographic Sciences

Prerequisite: RAN 100,RFI 110,FSG 161,FSG 162,RAW 180,RAW 182,MTL 180

Contact time: 1 dpw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 20

Module content:

Film evaluation.

Application of technique factors, compiling of technique charts.

Films, film technology, image formation and sensitometric properties.

Processing, monitoring the processor and processing area.

Darkroom and design, chemicals.

Quality assurance tests.

Digital radiography: image formation and processing.

RAW 284 Radiation therapy and nuclear medicine 284

Academic organisation: Radiographic Sciences

Prerequisite: RAN 100,RFI 110,FSG 161,FSG 162,RAW 180,RAW 182,MTL 180

Contact time: 1 lpw 1 dpw

Period of presentation: Quarter 4

Language of tuition: Double medium

Credits: 10

Module content:

- (a) Radiobiology: Cell survival curves and target theories, radiation effects on tissue, tissue and organ radio sensitivity. Radiation pathology, acute and chronic effects, late effects of radiation. Clinical radiobiology: Radiation therapy, tumour radiobiology, fractionation, iso-effect formulae.
- (b) Introduction to radiation therapy: Origin and incidence of cancer, diagnoses and staging, treatment and modalities. Treatment methods in radiation therapy. Preparation for external beam irradiation. Dosage. Biological principles of radiation. Effects of radiation on normal tissue.
- (c) Introduction to nuclear medicine: Principles of nuclear physics and nuclear medicine, nuclear instrumentation, radio chemical pharmacology. Basic approach to clinical nuclear medicine and relevant techniques.

RAW 380 Radiography 380

Academic organisation: Radiographic Sciences

Prerequisite: FSG 251,FSG 252,FSG 262,GNK 286,RAN 280,RAW 281,RAW

282,RAW 283,RGB 281,RFI 210

Contact time: 4 dpw 1 spw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 52

Module content:

Cardiovascular system: Imaging equipment: laser imager and dry film imager,

construction, operation and films. Digital subtraction and image manipulation, viewing, recording and storing of images. Principles and equipment considerations for cardioangiography and angiography. Selective angiography. Intervention techniques (vascular and non-vascular). Venography. Seldinger technique, contrast media, medication, catheters, guide wires and accessories. Quality assurance and quality control. Patient care. Medico-legal aspects. Research. Case presentations. Pattern recognition. Clinical experience and evaluation.

Clinical evaluation of an excretory urogram that was done theoretically in the 2nd year.

Mammography: Introduction. Principles of soft tissue radiography. Communication and health promotion. Medico-legal aspects. Management of breast disease, patient care and treatment options. Mammography equipment, radiation safety and technique factors. Image receptors. Processing requirements. Positioning principles and special procedures. Systematic evaluation of the images. Different modalities or equipment to demonstrate the breast. Quality assurance and quality control. Case presentation. Research. Pattern recognition. Clinical experience and evaluation.

Hysterosalpingography: Booking procedures, patient-radiographer relationship, procedural considerations and evaluation criteria. Pattern recognition.

Bone densitometry: Principles, bone biology and remodelling, osteoporosis, core competencies for radiographers, physical principles of dual X-ray absorptiometry and other bone densitometry techniques. Clinical experience.

Ultrasound: General principles. Clinical experience. Computer tomography: Imaging principles – conventional and spiral. Factors affecting image quality. Contrast media. Protocol for different examinations. Patient care. Case presentation. Research. Pattern recognition. Clinical experience and evaluation. Magnetic resonance imaging: Imaging principles and image characteristics. Contrast media. Protocol for the different examinations. Patient care. Clinical experience. Myelography.

Research project.

Clinical evaluation and film evaluation of examinations that were done theoretically in the first and second year.

RAW 382 Radiography practice 382

Academic organisation: Radiographic Sciences

Contact time: 1 lpw 2 dpw 1 spw

Period of presentation: Year

Language of tuition: Double medium

Credits: 30

Module content:

Ethics. Law as applied to radiography. Healthcare. Healthcare delivery. Systems. Health policy (national and international).

Planning of health facilities and services.

General management principles as applied to a radiography department. Purchase specifications processors and basic x-ray equipment. Comparison for clinical use. Accepting criteria.

Radiation safety: Simplifying and standardizing technique. Radiation protection and control (personnel and patients).

Quality assurance: Introduction. Quality patient care and assessment. Reject film analysis and research report. Quality control tests and corrective action. Film evaluation.

RCH 310 Research project: Methodology 310

Academic organisation: Human Nutrition

Prerequisite: FLG 221, FLG 222, BCM 261, BCM 262, VDS 221, AGV 413, VDG 250, HNT 220, DTT 222

Contact time: 1 dpw 2 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 20

Module content:

Research methods and process.

RCH 320 Research project: Execution 320

Academic organisation: Human Nutrition

Prerequisite: BCM 261,BCM 262,FLG 221,FLG 222,HNT 220,AGV 413,VDS 210,VDG 250,VDS 220,DTT 222

Contact time: 1 dpw 1 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 10

RCH 371 Research 371

Academic organisation: Community Dentistry

Prerequisite: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271

Contact time: 10 l. x 90 min.

Period of presentation: Year

Language of instruction: English

Credits: 5

Module content:

This module will assist the oral hygiene students to become competent in the area of research by becoming active consumers of research to improve their practice and also taking part in research in the area of oral health. The student must demonstrate the ability to take part in an oral health research project under the guidance of an experienced researcher and report on aspects of the research project such as the type of research, the elements of a scientific research methodology, the data collection and the statistical method(s) used in the project and the results.

RCH 410 Research project 410

Academic organisation: Human Nutrition

Prerequisite: DTT 310,DTT 320,FLG 312,FLG 314,FAR 381,FAR 382,MNX 322,MRZ 310,NTA 313,RCH 310

Contact time: 1 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 7

Module content:

Execution and reporting.

RCH 480 Research project 480

Academic organisation: Human Nutrition

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 6

RHC 480 Research project 480

Academic organisation: Physiotherapy

Contact time: 1 other per week 2 web-based periods per week 3 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 16

Module content:

Research in healthcare sciences. The outcomes of this module is:

- Understanding the importance of evidence-based clinical practice.

- Understanding the research process and general approaches to research.
- Knowledge of the methodologies commonly used in healthcare sciences.
- Reading and critiquing published research.
- Writing a literature review.
- Understanding and respecting research ethics and the criteria for good quality research.

RLE 200 Jurisprudence and ethics 200

Academic organisation: Community Dentistry

Prerequisite: MHI 100, ANH 100, FSG 101, MBG 106, THM 100, TPG 100, NHS 100, RON 100

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: English

Credits: 1

RON 100 Introductory röntgenology 100

Academic organisation: Dental Management Sciences

Contact time: 2 ppw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 9

RON 200 Röntgenology 200

Academic organisation: Dental Management Sciences

Prerequisite: MHI 100, ANH 100, FSG 101, MBG 106, THM 100, TPG 100, NHS 100, RON 100

Contact time: 1 dpw 2 ppw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 11

RON 500 Röntgenology and diagnostics 500

Academic organisation: Dental Management Sciences

Prerequisite: CHP 401, ANE 400, CHR 401, IGK 401, KGM 400, HTH 400, MPG 400, MDB 410, ORD 400, RON 400

Contact time: 1 spw 1 dpw 2 ppw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 22

RPD 200 Research and professional development 200

Academic organisation: Occupational Therapy

Prerequisite: ANA 151, ANA 152, ANA 161, ANA 162, FSG 161, AKU 100, ART 100, MTL 180, GNK 286

Contact time: 2 ppw 1 dpw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 10

Module content:

The study of the research process and the introduction to occupational therapy professional ethics and management.

RPD 380 Research and professional development 380

Academic organisation: Occupational Therapy

Prerequisite: FSG 251, FSG 252, FSG 261, FSG 262, AKU 200, ART 282, ART 284, RPD 200, ART 281, ART 283

Contact time: 4 dpw 5 lpw

Period of presentation: Quarter 3

Language of tuition: Double medium

Credits: 20

Module content:

Development, submission and approval of an occupational therapy related research protocol. Continued study of occupational therapy professional ethics and management. Elective fieldwork to promote professional development.

RPD 481 Research and professional development 481

Academic organisation: Occupational Therapy

Prerequisite: ANP 210, RPD 380, SEP 110/ZUL 110, AKU 303, AKU 381, AKU 382, ART 381, ART 382, EOT 110, EOT 120, AIM 101.

Contact time: 0.5 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 15

Module content:

Continued study of the process of research. Includes the implementation of the approved research protocol and the documentation and presentation of the completed research project.

SMO 120 Special study module 120

Academic organisation: Anatomy

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12

SMO 121 Special study module 121

Academic organisation: Anatomy

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 5

SMO 211 Special study module 211

Academic organisation: Physiology

Prerequisite: CMY 151, FIL 155, MGW 112, MLB 111, PHY 131, MTL 180, GNK 120, BOK 121, GNK 127, GNK 128

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 3

SMO 281 Special study module 281

Academic organisation: Anatomical Pathology

Prerequisite: CMY 151, FIL 155, MGW 112, PHY 131, MTL 180, GNK 120, BOK 121, GNK 127, GNK 128, SMO 121

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 5

SMO 311 Special study module 311

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 5

SMO 380 Special study module 380

Academic organisation: Surgery

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 5

SMO 382 Special study module 382

Academic organisation: Obstetrics and Gynaecology

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 5

SMO 411 Special study module 411

Academic organisation: Obstetrics and Gynaecology

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 2

SMO 511 Special study module 511

Academic organisation: Psychiatry

Period of presentation: Semester 1

Language of tuition: English

Credits: 2

SMO 512 Special study module 512

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 2

SOH 254 Systems in healthcare 254

Academic organisation: Nursing Science

Prerequisite: PHY 131,CMY 151,FSG 161,FSG 162,FTP 100,ANA 152,ANA 162

Contact time: 2 lpw 1 dpw

Period of presentation: Quarter 4

Language of tuition: English

Credits: 10

Module content:

Healthcare sciences and the dimensions of healthcare.

Multidisciplinary and comprehensive healthcare delivery. Systems of healthcare delivery: local, national and international institutions and organisations in the healthcare sector. Local, national and international health policies. Demographical, biostatistical and epidemiological concepts, methods and tendencies in the planning of healthcare facilities and services. Contemporary issues in healthcare delivery and policy.

TBW 170 Comprehensive patient management 170

Academic organisation: Community Dentistry

Contact time: 1 ppw

Period of presentation: Year

Language of tuition: Double medium

Credits: 1

Module content:

Acquiring communication skills necessary for a relationship of trust between oral hygienist and patient in order to establish a long-term relationship between the two parties.

Students are furthermore afforded the opportunity to apply business management principles during patient management and are prepared for a meaningful and successful career in an increasingly complex business and healthcare environment.

Application of certain principles and skills in terms of:

- Psychology in the dentistry practice.
- Political parameters in dentistry.
- Sociology and dentistry.
- Ethics for the oral hygienist.
- Career possibilities.

- Managing a practice.

In addition, students should understand the economic, cultural, legal and regulatory environment in order to develop and optimise patient management

TBW 171 Comprehensive patient management 171

Academic organisation: Dentistry General

Contact time: 1 ppw 1 other per week 1 dpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 2

Module content:

The purpose of this module is to:

- embed communication skills required during patient management; and
- facilitate an understanding of the patient's psycho-social dimensions that may influence health-related behaviour and customer demand.

TBW 270 Comprehensive patient management 270

Academic organisation: Community Dentistry

Prerequisite: FLG 170,GMB 170,MDB 170,TBW 170,ODO 170,PDL 170,DFA 170,VKM 170,GAP 170,RAD 170

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 5

Module content:

Acquiring communication skills necessary for a relationship of trust between oral hygienist and patient in order to establish a long-term relationship between the two parties.

Students are furthermore afforded the opportunity to apply business management principles during patient management and are prepared for a meaningful and successful career in an increasingly complex business and health care environment.

Application of certain principles and skills in terms of:

- Psychology in the dentistry practice.
- Political parameters in dentistry.
- Sociology and dentistry.
- Ethics for the oral hygienist.
- Career possibilities.
- Managing a practice.

In addition, students should understand the economic, cultural, legal and regulatory environment in order to develop and optimise patient management

TBW 271 Comprehensive patient management 271

Academic organisation: Dental Management Sciences

Prerequisite: EOT 110, EOT 120, CIL 111, CIL 121, ACO 171, ANA 171, FAR 171, FLG 171, GMB 171, MDB 171, ODO 171, ORD 171, PDL 171, TBW 171, VKM 171, NHS 171

Contact time: 1 lpw (14 weeks)

Period of presentation: Semester (promotion module)

Language of tuition: Double medium

Credits: 3

Module content:

The purpose of this module is to:

- embed aspects related to occupational health and safety;
- embed communication skills required during patient management;
- develop presentation skills to address large audiences;

- facilitate an understanding of professionalism and ethical behaviour;
- embed knowledge about legal aspects that are related to dentistry;
- embed knowledge/skills in terms of administrative management and scheduling in a dental practice;
- embed psychological aspects pertaining to patient management;
- facilitate the management of a primary preventive treatment plan; and
- provide primary preventive treatment in cooperation with senior BChD students.

TBW 370 Comprehensive patient management 370

Academic organisation: Dental Management Sciences

Prerequisite: BOK 280, BOK 281, BOK 283, GNK 286, GNK 288, GPS 280, IKT 200, SMO 211, SMO 281

Contact time: 1 ppw 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 10

Module content:

Holistic evaluation of a patient, the clinical hypothetic-deductive reasoning processes, diagnosis, prognosis and treatment planning. Under the guidance of a tutor, and by utilising a special "practice patient" file, the students start treating a "practice patient" comprehensively. The student compiles a portfolio, on a continuous basis, on the clinical and administrative procedures concerning the "practice patient". The portfolio contains the student's year mark, which is determined on a 50:50 basis with the examination mark as the final pass mark. The examination mark is determined when the student presents the practice patient case to an audience and a panel of adjudicators.

Application of business management principles during patient management. Preparing the student for a meaningful and successful career in an increasingly complex business and health care environment. Application of certain principles and skills in terms of:

- Psychology in the dentistry practice.
- Political parameters in dentistry.
- Sociology and dentistry.
- Ethics for the oral hygienist.
- Career possibilities.
- Managing a practice.

Additional to this, students should understand the economic, cultural, legal and regulatory environment to establish and optimise patient management.

TBW 371 Comprehensive patient management 371

Academic organisation: Dental Management Sciences

Prerequisite: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271

Contact time: 1 lpw (2 h) (9 weeks)

Period of presentation: Year

Language of tuition: Double medium

Credits: 3

Module content:

The purpose of this module is to:

- facilitate an understanding of technology management and maintenance;
- embed knowledge/skills in terms of administrative management and scheduling in a dental practice;
- facilitate an understanding of customer needs and demands;
- embed knowledge/skills regarding internal marketing in a dental practice;
- facilitate career management abilities;

- facilitate an understanding of an employee's rights in terms of the labour law;
- facilitate an understanding of an oral hygienist's role in the management of a dental practice;
- facilitate the management of a primary preventive treatment plan; and
- provide primary preventive treatment in cooperation with senior BChD students.

TBW 470 Comprehensive patient management 470

Academic organisation: Dental Management Sciences

Prerequisite: DFA 370, FAR 370, FSG 370, GNK 388, GPS 380, MDB 370, ODO 370, OFC 370, PDL 370, TBW 370

Contact time: 1 dpw 2 other per week 1 ppw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 12

Module content:

Holistic evaluation of a patient, the clinical hypothetic-deductive reasoning processes, diagnosis, prognosis and treatment planning. Under the guidance of a tutor, and by utilising a special "practice patient" file, the students start treating a "practice patient" comprehensively. The student compiles a portfolio, on a continuous basis, on the clinical and administrative procedures concerning the "practice patient". The portfolio contains the student's year mark, which is determined on a 50:50 basis with the examination mark as the final pass mark. The examination mark is determined when the student presents the practice patient case to an audience and a panel of adjudicators.

Application of business management principles during patient management. Preparing the student for a meaningful and successful career in an increasingly complex business and health care environment. Application of certain principles and skills in terms of:

- Psychology in the dentistry practice.
- Political parameters in dentistry.
- Sociology and dentistry.
- Ethics for the oral hygienist.
- Career possibilities.
- Managing a practice.

Additional to this, students should understand the economic, cultural, legal and regulatory environment to establish and optimise patient management.

TBW 570 Comprehensive patient management 570

Academic organisation: Dental Management Sciences

Prerequisite: DFA 470, GAP 470, MFP 470, ODO 470, OFC 470, PDL 470, TBW 470, PTK 470, TMZ 470

Contact time: 1 dpw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 14

Module content:

Holistic evaluation of a patient, the clinical hypothetic-deductive reasoning processes, diagnosis, prognosis and treatment planning. Under the guidance of a tutor, and by utilising a special "practice patient" file, the students start treating a "practice patient" comprehensively. The student compiles a portfolio, on a continuous basis, on the clinical and administrative procedures concerning the "practice patient". The portfolio contains the student's year mark, which is determined on a 50:50 basis with the examination mark as the final pass mark. The examination mark is determined when the student presents the practice patient case to an audience and a panel of adjudicators.

Application of business management principles during patient management. Preparing the student for a meaningful and successful career in an increasingly complex business

and health care environment. Application of certain principles and skills in terms of:

- Psychology in the dentistry practice.
- Political parameters in dentistry.
- Sociology and dentistry.
- Ethics for the oral hygienist.
- Career possibilities.
- Managing a practice.

Additional to this, students should understand the economic, cultural, legal and regulatory environment to establish and optimise patient management.

TGG 370 Applied medicine 370

Academic organisation: Family Medicine

Prerequisite: BOK 280,BOK 281,BOK 283,GNK 286,GNK 288,GPS 280,IKT 200,SMO 211,SMO 281

Contact time: 1 ppw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 11

Module content:

The purpose of this module is to enable the dentist to identify medical problems, which may have an effect on the dental treatment or may affect the patient's general health. The dentist must be able to interpret the patient's medical history, in order to modify the treatment plan accordingly to ensure a safe dental treatment and/or to refer the patient for medical or specialist care.

THM 500 Dental materials 500

Academic organisation: Odontology

Prerequisite: CHP 401,ANE 400,CHR 401,IGK 401,KGM 400,HTH 400,MPG 400, MDB 410,ORD 400,RON 400

Contact time: 1 lpw 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 3

TMZ 470 Applied human systems 470

Academic organisation: Oral Pathology and Oral Biology

Prerequisite: GNK 388,MDB 370,TGG 370,FSG 370,FAR 370,RAD 370,TBW 370,ODO 370,PDL 370,DFA 370

Contact time: 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: English

Credits: 3

VDN 110 Nursing dynamics 110

Academic organisation: Nursing Science

Contact time: 2 lpw 1 other per week

Period of presentation: Semester 1

Language of tuition: English

Credits: 6

Module content:

Healthcare environment: structure, dynamics and impact on the clinical standards of nursing practice.

National population and health profiles. Epidemiological viewpoints on health. The healthcare environment and the dynamics of healthcare services. Factors influencing contemporary health service delivery. Policies and the rendering of healthcare in South Africa. Selected healthcare practice models (including the characteristics of nursing

practice). The basic principles and methodology of nursing research. Applying research to nursing practice.

Leadership principles in nursing practice.

Leadership styles and skills. Directing in the nursing unit. Principles of human resource management and development. The principles of adult teaching and learning in clinical practice. The adult learner and evaluation.

VDN 120 Nursing dynamics 120

Academic organisation: Nursing Science

Prerequisite: VDN 110

Contact time: 1 other per week 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 6

Module content:

Communication and management principles for nursing practice.

Assertiveness and interpersonal communication, team building, and managing cultural diversity and change. Written communications. Management of conflict, crisis intervention and stress management. Facilitation of health, wellness and community development.

Basic first-level management principles in nursing practice. Quality assurance and standards for nursing practice. Principles of financial planning and management. Private nursing practice.

Ethical-legal framework for nursing practice.

Professional tasks and responsibilities of registered nurses and midwives/accoucheurs. Development of the nursing profession, nursing ethos and fundamental viewpoints. Principles of professional practice. Conduct, statutory control and professional self-regulation. Human rights, the rights of patients and international perspectives on patient care. Ethics, ethical dilemmas and ethical decision-making in nursing practice.

VGK 201 Nursing science practical work 201

Academic organisation: Nursing Science

Contact time: 1 ppw 1 other per week

Period of presentation: Year

Language of tuition: English

Credits: 7

Module content:

Practical work according to the area of specialisation.

VKM 170 Preventive oral health 170

Academic organisation: Community Dentistry

Contact time: 4 ppw 1 dpw 1 spw 2 opw

Period of presentation: Year

Language of tuition: English

Credits: 25

Module content:

The module is aimed at enabling an oral hygiene student to develop his/her skills, knowledge and attitude in an integrated, holistic and comprehensive way by means of developing, implementing and evaluating a needs-driven primary and basic secondary preventive programme for a patient.

VKM 171 Preventive oral health 171

Academic organisation: Community Dentistry

Contact time: 1 dpw 1 ppw

Period of presentation: Year

Language of tuition: Double medium

Credits: 15

Module content:

This module entails lectures and clinical work, pertaining to the scope of oral hygiene, in the pre-clinical ward. It is aimed at enabling an oral hygiene student to develop his/her skills, knowledge and attitude by means of developing, implementing and evaluating a needs-driven primary and basic-secondary preventive programme for a patient.

VKM 270 Preventive oral health 270

Academic organisation: Community Dentistry

Prerequisite: FLG 170,GMB 170, MDB 170, TBW 170, ODO 170, PDL 170, DFA 170, VKM 170, GAP 170, RAD 170

Contact time: 8 ppw

Period of presentation: Year

Language of tuition: English

Credits: 38

Module content:

The module is aimed at enabling an oral hygiene student to develop his/her skills, knowledge and attitude in an integrated, holistic and comprehensive way by means of developing, implementing and evaluating a needs-driven primary and basic-secondary preventive programme for a patient.

VKM 271 Preventive oral health 271

Academic organisation: Community Dentistry

Contact time: 1 lpw (30 weeks) 6 p (2 h) (30 weeks)

Period of presentation: Year (promotion module)

Language of tuition: Double medium

Credits: 58

Module content:

This module is a continuation of (VKM 171) Preventive oral health 171 and is aimed at enabling an oral hygiene student to develop his/her skills, knowledge and attitude by means of devising, implementing and evaluating a needs-driven primary and basic-secondary preventive programme for a patient. This module entails lectures and clinical work, pertaining to the scope of oral hygiene, on real patients.

VKM 371 Preventive oral health 371

Academic organisation: Community Dentistry

Prerequisite: ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271

Contact time: 6 p (2 h) (30 weeks)

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

Module content:

This module entails clinical work, pertaining to the scope of oral hygiene, on patients in the preventive clinic. The module is aimed at enabling an oral hygiene student to develop his/her skills, knowledge and attitude by means of devising, implementing and evaluating a primary and basic-secondary preventive programme for a patient.

VNM 100 Nursing research methodology 100

Academic organisation: Nursing Science

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

Module content:

Basic schooling in the nursing research process.

VOW 110 Nursing education theory 110

Academic organisation: Nursing Science

Contact time: 2 lpw 1 other per week

Period of presentation: Semester 1

Language of tuition: English

Credits: 6

Module content:

Development of nursing education.

Historical development of nursing education.

Philosophical aspects and the functioning of nursing schools.

Recent developments in nursing education.

Outcomes-based education (OBE).

Curriculum development.

Curriculum building. Correlation between theory and practice. The learning process and active learner development.

VOW 120 Nursing education theory 120

Academic organisation: Nursing Science

Prerequisite: VOW 110

Contact time: 2 lpw 1 other per week

Period of presentation: Semester 2

Language of tuition: English

Credits: 6

Module content:

Facilitation of learning.

Assessment of progress and evaluation.

Nursing process as modality in nursing education.

Allocation of learners in clinical practice and the facilitation of clinical learning. Nursing theories and their application.

VOW 250 Nursing education 250

Academic organisation: Nursing Science

Prerequisite: VOW 110,VOW 120

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 5

Module content:

Syllabus: available on request from the head of department.

VOW 260 Nursing education 260

Academic organisation: Nursing Science

Prerequisite: VOW 250

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

Syllabus: available on request from the head of department.

VOW 300 Nursing education 300

Academic organisation: Nursing Science

Prerequisite: VOW 250,VOW 260

Contact time: 2 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 5

Module content:

Syllabus: available on request from the head of department.

VPB 110 Nursing management 110

Academic organisation: Nursing Science

Contact time: 2 lpw 1 other per week

Period of presentation: Semester 1

Language of tuition: English

Credits: 6

Module content:

Systems approach, theories and policies: Application in nursing management. Ethical code and the generic administrative process. Planning and organising on first-level management. Healthcare facilities, financial planning and time utilisation. Problem-solving, change and organisation.

VPB 120 Nursing management 120

Academic organisation: Nursing Science

Prerequisite: VPB 110

Contact time: 1 other per week 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 6

Module content:

Directing on first-level management. Provision and utilisation of personnel. Leadership. Control on first-level management. Inspections and supervision. Patient classification and record keeping.

VPB 160 Nursing management practice 160

Academic organisation: Nursing Science

Prerequisite: VPB 110,VPB 120

Contact time: 2 ppw

Period of presentation: Year

Language of tuition: English

Credits: 4

Module content:

*Attendance module only

Nursing management practical work.

Compulsory practical work, including budgeting, statistics, non-nursing duties, job descriptions, memoranda and report writing. Performance appraisal tool.

VPB 250 Nursing management 250

Academic organisation: Nursing Science

Prerequisite: VPB 110,VPB 120

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 5

Module content:

The responsibilities of the nursing manager with regard to the provision and use of nursing personnel.

VPB 260 Nursing management 260

Academic organisation: Nursing Science

Prerequisite: VPB 250

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 5

Module content:

The responsibilities of the nursing manager with regard to the retaining of nursing staff and the rendering of a quality nursing service.

VPB 300 Nursing management 300

Academic organisation: Nursing Science

Prerequisite: VPB 250,VPB 260

Contact time: 2 dpw 2 lpw

Period of presentation: Year

Language of tuition: English

Credits: 5

Module content:

The nursing manager on mid-level management as planner, organiser, leader and controller.

VPT 160 Systems of nursing practice 160

Academic organisation: Nursing Science

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: English

Credits: 5

Module content:

General systems of clinical nursing practice.

First aid, CPR and primary emergency care. Haemodynamic monitoring, the evaluation of oxygenation status, acid-base and electrolyte balance. Principles of mechanical ventilation. Basic interpretation skills in radiographic imaging. Electrocardiography: basic principles and application.

VPT 260 Systems of nursing practice 260

Academic organisation: Nursing Science

Prerequisite: VPT 160

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

Module content:

Specialised systems of clinical nursing practice.

The systems of nursing practice in one of the following clinical nursing speciality areas: critical care, emergency nursing, advanced midwifery, neonatal nursing, operating theatre nursing or child nursing. Contemporary trends and issues.

VPT 360 Systems of nursing practice 360

Academic organisation: Nursing Science

Prerequisite: VPT 260

Contact time: 2 lpw 2 dpw

Period of presentation: Year

Language of tuition: English

Credits: 5

Module content:

Specialised systems of clinical nursing practice.

The more advanced systems of nursing practice in one of the following clinical nursing speciality areas: critical care, emergency nursing, advanced midwifery, neonatal nursing, operating theatre nursing or child nursing. Contemporary trends and issues.

AAN 802 Occupational therapeutic anatomy 802

Academic organisation: Anatomy

Contact time: 4 lpw 1 dpw 1 spw 1 other per week

Period of presentation: Year

Language of tuition: Double medium

Credits: 28

Module content:

Applied clinical anatomy of structures and systems as set out in the study guide for postgraduate anatomy courses.

AAN 803 Occupational therapeutic anatomy 803

Academic organisation: Anatomy

Contact time: 4 lpw 1 dpw 1 spw 1 other per week

Period of presentation: Year

Language of tuition: Double medium

Credits: 24

Module content:

Applied clinical anatomy of structures and systems as set out in the study guide for postgraduate anatomy courses.

ACC 861 Advanced child nursing science 861

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

ACM 870 Postgraduate seminars in public health 870

Academic organisation: School of Health Systems and Public Health

Contact time: 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: English

Credits: 12

ACM 871 Individual study in public health 871

Academic organisation: School of Health Systems and Public Health

Contact time: 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

ACM 872 Individual study in public health 872

Academic organisation: School of Health Systems and Public Health

Contact time: 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 20

ACM 873 Individual study in public health 873

Academic organisation: School of Health Systems and Public Health

Contact time: 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 30

ACN 861 Advanced community nursing science 861

Academic organisation: Nursing Science

Contact time: 1 lpw 2 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 40

ACN 862 Advanced community nursing science 862

Academic organisation: Nursing Science

Contact time: 1 lpw 2 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 40

AMN 860 Advanced midwifery and neonatal nursing Science 860

Academic organisation: Nursing Science

Contact time: 2 ppw

Period of presentation: Year

Language of tuition: English

Credits: 30

AMS 860 Advanced medical and surgical nursing (Critical care: General) 860

Academic organisation: Nursing Science

Contact time: 1 other per week 2 ppw

Period of presentation: Year

Language of tuition: English

Credits: 30

AMS 861 Advanced medical and surgical nursing science 861

Academic organisation: Nursing Science

Contact time: 1 spw 1 dpw 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

AMS 862 Advanced medical and surgical nursing science 862

Academic organisation: Nursing Science

Contact time: 1 lpw 1 spw 1 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

ANA 700 Anatomy 700

Academic organisation: Anatomy

Contact time: 1 dpw 2 ppw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 96

Module content:

A complete synopsis of all anatomy modules at postgraduate level is published in the study guide for postgraduate anatomy courses, which is available on request from the Department of Anatomy.

ANA 702 Anatomy 702

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Double medium

Credits: 24

ANA 711 Developmental biology 711

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Double medium

Credits: 96

ANA 712 Comparative anatomy 712

Academic organisation: Anatomy

Period of presentation: Year Language of tuition: Double medium	Credits: 96
ANA 713 Neuro-anatomy 713 Academic organisation: Anatomy Period of presentation: Year Language of tuition: Double medium	Credits: 96
ANA 714 Human cell biology 714 Academic organisation: Anatomy Period of presentation: Year Language of tuition: Double medium	Credits: 96
ANA 715 Physical anthropology 715 Academic organisation: Anatomy Period of presentation: Year Language of tuition: Double medium	Credits: 96
ANA 716 Human histology 716 Academic organisation: Anatomy Period of presentation: Year Language of tuition: Double medium	Credits: 96
ANA 717 Macro-anatomy 717 Academic organisation: Anatomy Period of presentation: Year Language of tuition: Double medium	Credits: 96
ANA 770 Anatomy 770 Academic organisation: Anatomy Contact time: 2 lpw 1 dpw Period of presentation: Semester 1 Language of tuition: Double medium	Credits: 12
ANN 851 Advanced neonatal nursing science 851 Academic organisation: Nursing Science Contact time: 2 dpw 1 lpw Period of presentation: Quarter 1 Language of tuition: English	Credits: 23
ANN 852 Advanced neonatal nursing science 852 Academic organisation: Nursing Science Contact time: 1 lpw 2 dpw Period of presentation: Quarter 2 Language of tuition: English	Credits: 23
ANN 853 Advanced neonatal nursing science 853 Academic organisation: Nursing Science Contact time: 1 lpw 2 dpw Period of presentation: Quarter 3 Language of tuition: English	Credits: 23

ANN 854 Advanced neonatal nursing science 854

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Quarter 4

Language of tuition: English

Credits: 23

ANN 860 Advanced neonatal nursing science 860

Academic organisation: Nursing Science

Contact time: 1 other per week 2 ppw

Period of presentation: Year

Language of tuition: English

Credits: 30

ANN 861 Advanced neonatal nursing science 861

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

ANN 862 Advanced neonatal nursing science 862

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

ANP 700 Anatomical pathology 700

Academic organisation: Anatomical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

ANP 702 Anatomical pathology 702

Academic organisation: Anatomical Pathology

Contact time: 2 dpw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

ANP 703 Anatomical pathology 703

Academic organisation: Anatomical Pathology

Contact time: 1 dpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 5

ANP 891 Anatomical pathology 891

Academic organisation: Anatomical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 28

Module content:

An in-depth knowledge of the pathology of selected conditions.

ANX 861 Advanced nursing management 861

Academic organisation: Nursing Science

Contact time: 1 lpw 2 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 40

ANX 862 Advanced nursing management 862 Academic organisation: Nursing Science Contact time: 2 dpw 1 lpw Period of presentation: Semester 2 Language of tuition: English	Credits: 40
ANZ 861 Advanced nursing education 861 Academic organisation: Nursing Science Contact time: 2 dpw 1 lpw Period of presentation: Semester 1 Language of tuition: English	Credits: 40
ANZ 862 Advanced nursing education 862 Academic organisation: Nursing Science Contact time: 1 lpw 2 dpw Period of presentation: Semester 2 Language of tuition: English	Credits: 40
APC 861 Primary curative nursing science 861 Academic organisation: Nursing Science Contact time: 2 dpw 1 lpw Period of presentation: Semester 1 Language of tuition: English	Credits: 40
APC 862 Primary curative nursing science 862 Academic organisation: Nursing Science Contact time: 1 lpw 2 dpw Period of presentation: Semester 2 Language of tuition: English	Credits: 40
APN 860 Advanced psychiatric nursing science 860 Academic organisation: Nursing Science Contact time: 1 lpw 1 ppw 1 dpw Period of presentation: Year Language of tuition: English	Credits: 40
APN 861 Advanced psychiatric nursing science 861 Academic organisation: Nursing Science Contact time: 2 dpw 1 other per week 1 lpw Period of presentation: Semester 1 Language of tuition: English	Credits: 40
APN 862 Advanced psychiatric nursing science 862 Academic organisation: Nursing Science Contact time: 1 other per week 2 dpw 1 lpw Period of presentation: Semester 2 Language of tuition: English	Credits: 40
ART 800 Occupational therapy 800 Academic organisation: Occupational Therapy Contact time: 1 other per week Period of presentation: Year	

Language of tuition: Double medium **Credits:** 28

Module content:

*Attendance module only

Participation in discussion classes, ward rounds and clinics.

ATP 800 Theory in occupational therapy practice 800

Academic organisation: Occupational Therapy

Contact time: 8 lpw

Period of presentation: Year

Language of tuition: Double medium **Credits:** 28

Module content:

(i) Perspectives on activity participation and the study of man as multi-level system.

(ii) Models for activity choices.

(iii) Activity evaluation.

BKA 700 Biokinetics 700

Academic organisation: Centre for Sport Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng **Credits:** 96

BOS 870 Biostatistics (1) 870

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 16 lpw

Period of presentation: Year

Language of tuition: English **Credits:** 10

CBR 710 Maxillo-facial radiology and principles of surgery 710

Academic organisation: Dental Management Sciences

Contact time: 1 dpw 1 ppw

Period of presentation: Semester 1

Language of tuition: English **Credits:** 12

CDC 871 Principle: Communicable disease control 871

Academic organisation: School of Health Systems and Public Health

Contact time: 1 dpw 1 spw 1 lpw 1 ppw 1 other per week

Period of presentation: Year

Language of tuition: English **Credits:** 12

CDC 872 Seminars in tropical health 872

Academic organisation: School of Health Systems and Public Health

Contact time: 1 dpw 1 ppw 1 spw 1 other per week 1 lpw

Period of presentation: Year

Language of tuition: English **Credits:** 12

CDC 873 Seminars in tropical health environment 873

Academic organisation: School of Health Systems and Public Health

Contact time: 1 other per week 1 spw 1 dpw 1 ppw 1 lpw

Period of presentation: Year

Language of tuition: English **Credits:** 12

CDC 874 Seminars in tropical health (Host) 874

Academic organisation: School of Health Systems and Public Health

Period of presentation: Year
Language of tuition: English **Credits:** 10

CDS 870 Clinical tropical medicine 870

Academic organisation: School of Health Systems and Public Health
Contact time: 1 ppw
Period of presentation: Year
Language of tuition: English **Credits:** 12

CDS 873 Human nutrition and public health 873

Academic organisation: School of Health Systems and Public Health
Contact time: 16 lpw
Period of presentation: Year
Language of tuition: English **Credits:** 10

CHP 700 Chemical pathology 700

Academic organisation: Chemical Pathology
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 96

CLI 870 Principles of clinical epidemiology 870

Academic organisation: School of Health Systems and Public Health
Contact time: 1 ppw 3 dpw
Period of presentation: Year
Language of tuition: English **Credits:** 10

DAG 700 Diagnostics 700

Academic organisation: Dental Management Sciences
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 24

DEG 870 Principles of demography 870

Academic organisation: School of Health Systems and Public Health
Contact time: 1 ppw 1 spw 1 lpw 1 dpw 1 other per week
Period of presentation: Year
Language of tuition: English **Credits:** 5

DNP 800 Advanced dynamics of nursing practice 800

Academic organisation: Nursing Science
Contact time: 2 dpw 6 lpw
Period of presentation: Semester 2
Language of tuition: English **Credits:** 40

DSB 700 Dosage planning 700

Academic organisation: Radiographic Sciences
Contact time: 1 lpw 1 ppw 1 dpw
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 30

EHM 873 Environmental chemical pollution and health 873

Academic organisation: School of Health Systems and Public Health
Contact time: 16 lpw

Period of presentation: Year Language of tuition: English	Credits: 5
EOH 870 Introduction to environmental and occupational health 870 Academic organisation: School of Health Systems and Public Health Contact time: 16 lpw 1 ppw Period of presentation: Year Language of tuition: English	Credits: 12
EOH 871 Introduction to toxicology 871 Academic organisation: School of Health Systems and Public Health Contact time: 1 ppw 16 lpw Period of presentation: Year Language of tuition: English	Credits: 5
FAR 705 Pharmacology 705 Academic organisation: Pharmacology Period of presentation: Year Language of tuition: Double medium	Credits: 96
FMC 781 Cardiovascular diseases 781 Academic organisation: Family Medicine Period of presentation: Semester 1 Language of tuition: Both Afr and Eng	Credits: 12
FME 781 Medical ethics 781 Academic organisation: Family Medicine Period of presentation: Semester 1 Language of tuition: Both Afr and Eng	Credits: 12
FSA 806 Physiotherapeutic anatomy 806 Academic organisation: Anatomy Contact time: 1 dpw 1 spw 4 lpw Period of presentation: Year Language of tuition: Double medium	Credits: 15
FSA 807 Physiotherapeutic anatomy 807 Academic organisation: Anatomy Period of presentation: Year Language of tuition: Double medium	Credits: 15
FSA 808 Physiotherapeutic anatomy 808 Academic organisation: Anatomy Period of presentation: Year Language of tuition: Double medium	Credits: 15
FSA 809 Physiotherapeutic anatomy 809 Academic organisation: Anatomy Period of presentation: Year Language of tuition: Double medium	Credits: 15

FSA 870 Physiotherapeutic anatomy 870

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Double medium

Credits: 15**FSA 871 Physiotherapeutic anatomy 871**

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Double medium

Credits: 15**FSA 875 Physiotherapeutic anatomy 875**

Academic organisation: Anatomy

Contact time: 4 lpw 1 dpw 1 spw

Period of presentation: Year

Language of tuition: Double medium

Credits: 16**FSA 876 Physiotherapeutic anatomy 876**

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Double medium

Credits: 24**FSG 710 Research methodology: Physiology 710**

Academic organisation: Physiology

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12**FSG 712 Cellular physiology 712**

Academic organisation: Physiology

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12**FSG 720 Applied physiology 720**

Academic organisation: Physiology

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12**FSG 771 Basic physiology 771**

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24**FSG 773 Research physiology 773**

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24**FSG 774 Physiology: Practical 774**

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

FSG 871 Physiology 871

Academic organisation: Physiology

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

FSG 872 Physiology 872

Academic organisation: Physiology

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 15

FSG 873 Physiology 873

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: English

Credits: 36

FSG 874 Physiology 874

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 15

FSG 875 Physiology 875

Academic organisation: Physiology

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 15

FSG 877 Physiology 877

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 15

FSG 878 Physiology 878

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 15

FSG 879 Physiology 879

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: English

Credits: 24

FSG 881 Physiology 881

Academic organisation: Physiology

Contact time: 1 dpw 1 lpw 1 spw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 28

Module content:

An indepth knowledge of applicable physiological aspects.

FTB 801 Physiotherapy 801 Academic organisation: Physiotherapy Contact time: 2 lpw 4 ppw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 35
FTB 802 Physiotherapy 802 Academic organisation: Physiotherapy Contact time: 2 lpw 4 ppw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 35
FTB 803 Physiotherapy 803 Academic organisation: Physiotherapy Contact time: 4 ppw 2 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 35
FTB 804 Physiotherapy 804 Academic organisation: Physiotherapy Contact time: 2 lpw 4 ppw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 35
FTB 805 Physiotherapy 805 Academic organisation: Physiotherapy Contact time: 2 lpw 4 ppw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 35
FTB 806 Physiotherapy 806 Academic organisation: Physiotherapy Contact time: 2 lpw 4 ppw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 35
FTB 807 Physiotherapy 807 Academic organisation: Physiotherapy Contact time: 1 lpw 4 ppw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 35
FTB 808 Physiotherapy 808 Academic organisation: Physiotherapy Contact time: 4 ppw 2 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 35
GIM 700 Medical immunology 700 Academic organisation: Immunology Period of presentation: Year Language of tuition: English	Credits: 96

GKW 700 Medical nuclear science 700

Academic organisation: Nuclear Medicine

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 96

GMB 700 Medical microbiology 700

Academic organisation: Medical Microbiology

Contact time: 1 spw 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 96

GNF 700 Medical physics: Practical work 700

Academic organisation: Radiation Oncology

Prerequisite: ANA 151,ANA 152,ANA 161,ANA 162,FSG 161,FSG 162,NUR 151,NUR 152,NUR 153,NUR 154

Contact time: 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

GNF 701 Medical physics: Nuclear medicine 701

Academic organisation: Radiation Oncology

Contact time: 2 dpw 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

GNF 702 Medical physics: Diagnostic radiology 702

Academic organisation: Radiation Oncology

Contact time: 2 dpw 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

GNF 703 Medical physics: Radiation physics 703

Academic organisation: Radiation Oncology

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

GNF 704 Medical physics: Radiotherapy 704

Academic organisation: Radiation Oncology

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

GNF 705 Medical physics: Radiation protection 705

Academic organisation: Radiation Oncology

Contact time: 2 lpw 2 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

GRA 800 Groups in occupational therapy 800

Academic organisation: Occupational Therapy

Contact time: 5 dpw 10 lpw 5 spw 15 ppw

Period of presentation: Year
Language of tuition: Double medium **Credits:** 28

GVR 700 Medical virology 700

Academic organisation: Medical Virology
Period of presentation: Year
Language of tuition: English **Credits:** 96

HCM 870 Introduction to health management 870

Academic organisation: School of Health Systems and Public Health
Contact time: 3 dpw 1 ppw
Period of presentation: Year
Language of tuition: English **Credits:** 10

HCM 872 Health policy and systems 772

Academic organisation: School of Health Systems and Public Health
Contact time: 1 dpw 1 lpw 1 spw 1 ppw 1 other per week
Period of presentation: Year
Language of tuition: English **Credits:** 10

HEM 700 Haematology 700

Academic organisation: Haematology
Period of presentation: Year
Language of tuition: Double medium **Credits:** 96

HET 870 Public health, ethics and human rights 870

Academic organisation: School of Health Systems and Public Health
Contact time: 3 dpw 1 ppw
Period of presentation: Year
Language of tuition: English **Credits:** 5

Module content:

This module enables students to understand ethical and human rights reasoning in health interventions and research, and provides competence in ethical review of public health research and interventions. The module covers ethical and human rights approaches and applies them to public health. Students deal with threats to ethics or human rights in public health action, and with some specific areas: resource allocation, gender and research, environmental justice, international collaborative research.

HET 871 Introduction to the philosophy for health care researchers 871

Academic organisation: School of Health Systems and Public Health
Contact time: 16 lpw
Period of presentation: Year
Language of tuition: English **Credits:** 15

HET 872 Introduction to bioethics 872

Academic organisation: School of Health Systems and Public Health
Contact time: 16 lpw
Period of presentation: Year
Language of tuition: English **Credits:** 5

Module content:

This module provides students with the foundations of bioethics in health care and research. Basic bioethical principles will be covered, as well as alternative bioethical

frameworks; identification of bioethical dilemmas and skills for resolving these systematically. Major international guidelines and codes will be covered.

HET 873 Evaluation of a research design 873

Academic organisation: School of Health Systems and Public Health

Period of presentation: Year

Language of tuition: English

Credits: 10

Module content:

This module enables students to evaluate the design adequacy of research design, so that the ethical aspects of the research can be evaluated. Students will learn to evaluate the following aspects of medical, epidemiological, and social health care research designs: elements of sound research design; research design implementation; research capacity and resources.

HET 874 Introduction to human rights: Health researchers 874

Academic organisation: School of Health Systems and Public Health

Contact time: 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 5

Module content:

This module gives students an awareness of human rights implications of health care research, and will provide a basic introduction to human rights, international covenants and other relevant material; it refers specifically to the South African Bill of Rights and to other relevant African documents in law and human rights, and encourages students to apply these to health care research.

HIN 772 Hospital information systems 772

Academic organisation: Community Health

Contact time: 1 spw 1 other per week 1 dpw 1 lpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 5

HME 873 Monitoring and evaluation 873

Academic organisation: School of Health Systems and Public Health

Contact time: 2 lpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 12

HMS 771 Scientific writing 771

Academic organisation: School of Health Systems and Public Health

Period of presentation: Year

Language of instruction: English

Credits: 10

HMS 871 Scientific writing 871

Academic organisation: School of Health Systems and Public Health

Prerequisite: TNM 800

Contact time: 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 5

HMS 872 Health data management 872

Academic organisation: School of Health Systems and Public Health

Contact time: 40 lpw	
Period of presentation: Year	
Language of tuition: English	Credits: 5
ICX 871 Integrative case study (2) 871	
Academic organisation: School of Health Systems and Public Health	
Contact time: 3 dpw 1 ppw	
Period of presentation: Semester 1	
Language of tuition: English	Credits: 5
ICX 872 Integrative case study (3) 872	
Academic organisation: School of Health Systems and Public Health	
Contact time: 3 dpw 1 ppw	
Period of presentation: Semester 1	
Language of tuition: English	Credits: 5
INX 700 Instrumentation 700	
Academic organisation: Radiographic Sciences	
Contact time: 1 dpw 1 lpw 1 ppw	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 30
KDE 700 Nuclear medicine 700	
Academic organisation: Radiographic Sciences	
Contact time: 1 dpw 1 spw 1 lpw 1 ppw	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 30
KDE 701 Nuclear medicine 701	
Academic organisation: Radiographic Sciences	
Contact time: 1 dpw 2 spw	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 30
KGW 700 Quantitative health sciences 700	
Academic organisation: Community Health	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 24
KOZ 701 Clinical oncology and tumor pathology 701	
Academic organisation: Radiographic Sciences	
Contact time: 1 lpw 2 dpw	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 10
KRT 700 Medical criminalistics 700	
Academic organisation: Forensic Health Sciences	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 96
LMX 700 Laboratory management 700	
Academic organisation: Chemical Pathology	

Contact time: 15 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 12

LRG 700 Aerospace medicine 700

Academic organisation: Aerospace Medicine

Contact time: 2 ppw 12 lpw 5 dpw 5 other per week 5 spw

Period of presentation: Year

Language of tuition: English

Credits: 96

LRM 771 Laboratory management 771

Academic organisation: Chemical Pathology

Contact time: 12 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MDN 700 Medical oncology 700

Academic organisation: Medical Oncology

Contact time: 1 dpw 1 spw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 96

MFG 777 Human physiology 777

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Double medium

Credits: 96

Module content:

[BSchHons with specialisation in Human Physiology]

- Basic physiology: Self-tuition
- Applied physiology: 22 lectures and self-tuition
- Research techniques: 11 lectures and demonstrations
- Seminars: Two per student: approved topics
- Journal discussions: Two per student
- Research project: Submission of protocol, execution of project under supervision and presentation of results required. Final results submitted in the form of a mini-dissertation

MGN 700 Human genetics 700

Academic organisation: Human Genetics and Developmental Biology

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 48

MGN 790 Essay: Human genetics 790

Academic organisation: Human Genetics and Developmental Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 48

MHP 780 Human resources planning 780

Academic organisation: Community Dentistry

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

MMB 700 Oral microbiology 700**Academic organisation:** Oral Pathology and Oral Biology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**MPG 710 Oral pathology 710****Academic organisation:** Oral Pathology and Oral Biology**Period of presentation:** Semester 1**Language of tuition:** Both Afr and Eng**Credits:** 12**NFG 700 Neurophysiology 700****Academic organisation:** Physiology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**NNC 801 Neurology/Neurosurgery 801****Academic organisation:** Neurosurgery**Contact time:** 5 ppw 5 spw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**NVB 700 Research principles 700****Academic organisation:** Radiographic Sciences**Period of presentation:** Semester 2**Language of tuition:** Both Afr and Eng**Credits:** 20**OCM 870 Principles: Occupational medicine 870****Academic organisation:** School of Health Systems and Public Health**Contact time:** 16 lpw 1 ppw**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**OCM 871 Clinical skills in occupational health 871****Academic organisation:** School of Health Systems and Public Health**Period of presentation:** Year**Language of tuition:** English**Credits:** 5**OHS 873 Postgraduate seminars in occupational hygiene 1 873****Academic organisation:** School of Health Systems and Public Health**Prerequisite:** FLG 322 or equivalent occupational hygiene coursework with 2 year practical experience in the field of occupational hygiene**Contact time:** 1 eight-hour contact session per month that includes group discussions and case studies. Practical work forms part of assignments. Assignments need to be submitted one month after the contact session.**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**Module content:**

Introduction to the basic concepts of occupational hygiene. Topics addressed in this module include occupational hygiene principles, legislation, risk management (including risk assessment), measuring environmental factors, ergonomics, biological environmental factors, psychological environmental factors, control of environmental factors, communication and report writing and toxicology. Problem-based assignments and practical work.

OHS 874 Postgraduate seminars in occupational hygiene 2 874

Academic organisation: School of Health Systems and Public Health

Prerequisite: FLG 322 or equivalent occupational hygiene coursework with 2 years practical experience in the field of occupational hygiene

Contact time: 1 eight-hour contact session per month that includes group discussions and case studies. Practical work forms part of assignments. Assignments need to be submitted one month after the contact session.

Period of presentation: Year

Language of tuition: English

Credits: 10

Module extent:

Introduction to laboratory practice, occupational health education, research and statistical methods, integrated management systems, quality systems, audits and occupational hygiene management. Problem-based assignments and practical work need to be completed and submitted after each unit standard.

OHS 875 Individual studies in occupational health hygiene 875

Academic organisation: School of Health Systems and Public Health

Prerequisite: FLG 322 or equivalent Occupational hygiene coursework with 2 years practical experience, satisfactory progress in OHS 873.

Contact time: No formal scheduled contact time. One session practical coursework must be completed by the students in the air quality laboratory. Mentoring to complete the module is through ClickUP and during practical coursework sessions.

Period of presentation: Year

Language of tuition: English

Credits: 10

Module content:

In-depth knowledge and competency in occupational hygiene measuring and surveying techniques concerning legislative requirements related to different occupational hygiene strategies and stressors, i.e. risk assessment, occupational stress, illumination, extreme thermal conditions, noise, airborne contaminants, ventilation and ergonomics. Students need to compile template reports and submit it for grading. Students must also complete practical coursework in the air quality laboratory or at an approved inspection occupational hygiene laboratory to obtain competency in occupational hygiene equipment, calculations and interpretation of occupational hygiene survey results. Students will have to take a competency test after completing all practical coursework.

OHT 870 Principles: Occupational hygiene and toxicology 870

Academic organisation: School of Health Systems and Public Health

Contact time: 16 lpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 10

OKG 700 Oncological behavioural sciences 700

Academic organisation: Radiographic Sciences

Contact time: 1 dpw 1 ppw 1 spw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 30

ONK 700 Otorhinolaryngology 700

Academic organisation: Otorhinolaryngology

Period of presentation: Year

Language of tuition: Double medium

Credits: 24

ORT 802 Orthopaedics 802**Academic organisation:** Physiotherapy**Contact time:** 5 spw 5 ppw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**OVG 700 Comprehensive medicine 700****Academic organisation:** Health Sciences Dean's Office**Period of presentation:** Year**Language of tuition:** English**Credits:** 24**PCM 770 Introduction to primary health care 770****Academic organisation:** Community Health**Period of presentation:** Semester 1**Language of tuition:** English**Credits:** 5**PGP 800 Psychopathology 800****Academic organisation:** Psychiatry**Period of presentation:** Year**Language of tuition:** English**Credits:** 28**Module content:**

An in-depth study of the psychopathology diseases applicable to psychiatry.

PHA 770 Assignment in public health 770**Academic organisation:** School of Health Systems and Public Health**Period of presentation:** Year**Language of tuition:** English**Credits:** 30**PHM 870 Learning in public health 870****Academic organisation:** School of Health Systems and Public Health**Contact time:** 1 dpw 1 ppw 1 other per week 1 spw 1 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 5**Module content:**

This is the first (one-week) module at the beginning of the year focusing on learning. At the end of this week, you will have a much better understanding of what you actually want to achieve in public health and what you need to learn to get there. You will probably also have changed your views on learning: from individual surface learning and memorization, to valuing deep learning often in a group context. Finally, you will have achieved the ability to use the ever-increasing knowledge in health, philosophy, and ethics that are generated on the internet to your own best advantage.

PHM 871 Public health examination Part 1 871**Academic organisation:** School of Health Systems and Public Health**Period of presentation:** Year**Language of tuition:** English**Credits:** 0**PHM 872 Public health examination Part 2 872****Academic organisation:** School of Health Systems and Public Health**Period of presentation:** Year**Language of tuition:** English**Credits:** 0

PHT 805 Physiotherapy 805

Academic organisation: Physiotherapy

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

POK 700 Sport science 700

Academic organisation: Centre for Sport Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 96

RAN 700 Radiographic anatomy 700

Academic organisation: Anatomy

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

RAW 780 Quality assurance 780

Academic organisation: Radiographic Sciences

Contact time: 1 dpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 30

RAW 781 Image interpretation 781

Academic organisation: Radiographic Sciences

Contact time: 1 dpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 30

RAW 782 Computer tomography 782

Academic organisation: Radiographic Sciences

Contact time: 1 dpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 30

RAW 783 Magnetic resonance 783

Academic organisation: Radiographic Sciences

Contact time: 1 dpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 30

RAW 784 Intervention 784

Academic organisation: Radiographic Sciences

Contact time: 1 dpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 30

RAW 785 Mammography and bone densitometry 785

Academic organisation: Radiographic Sciences

Contact time: 1 dpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 30

RAW 786 Ultrasound (Module I) 786**Academic organisation:** Radiographic Sciences**Contact time:** 1 dpw**Period of presentation:** Semester 1**Language of tuition:** Both Afr and Eng**Credits:** 30**RAW 787 Ultrasound (Module II) 787****Academic organisation:** Radiographic Sciences**Contact time:** 1 dpw**Period of presentation:** Semester 1**Language of tuition:** Both Afr and Eng**Credits:** 30**RAW 788 Ultrasound (Module III) 788****Academic organisation:** Radiographic Sciences**Contact time:** 1 dpw**Period of presentation:** Semester 2**Language of tuition:** Both Afr and Eng**Credits:** 30**RBA 700 Reproductive biology: Andrology 700****Academic organisation:** Urology**Period of presentation:** Year**Language of tuition:** English**Credits:** 96**RBG 770 Radiobiology 770****Academic organisation:** Radiation Oncology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**RBI 700 Reproductive biology 700****Academic organisation:** Obstetrics and Gynaecology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 96**RCF 700 Radiochemistry and pharmacology 700****Academic organisation:** Nuclear Medicine**Contact time:** 1 ppw 1 lpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 25**RDB 700 Radiotherapy: Dosage treatment planning 700****Academic organisation:** Radiographic Sciences**Contact time:** 1 lpw 1 ppw 2 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 40**RDF 700 Radiopharmacology 700****Academic organisation:** Radiographic Sciences**Contact time:** 1 dpw 1 spw 1 ppw 1 lpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 30**RSK 700 Essay 700****Academic organisation:** Radiographic Sciences

Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 30
RSZ 700 Radiation therapy 700 Academic organisation: Radiographic Sciences Contact time: 2 dpw 1 lpw 1 ppw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 50
RSZ 701 Radiation therapy 701 Academic organisation: Radiographic Sciences Contact time: 2 dpw 1 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 40
SBI 700 Cell biology 700 Academic organisation: Physiology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 96
SCC 871 Communication in health 871 Academic organisation: School of Health Systems and Public Health Contact time: 1 ppw 16 lpw Period of presentation: Year Language of tuition: English	Credits: 10
SFI 700 Radiation physics and instrumentation 700 Academic organisation: Nuclear Medicine Contact time: 2 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 20
SFR 700 Radiation physics and radiation protection 700 Academic organisation: Radiographic Sciences Contact time: 1 dpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 20
SGN 801 Sports medicine 801 Academic organisation: Physiotherapy Contact time: 2 ppw 20 lpw 1 spw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
TCA 710 Applied surgical anatomy 710 Academic organisation: Maxillo-Facial and Oral Surgery Period of presentation: Semester 1 Language of tuition: Both Afr and Eng	Credits: 12
TIN 700 Dental informatics 700 Academic organisation: Community Dentistry Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24

TKD 700 Applied nuclear medicine 700

Academic organisation: Nuclear Medicine

Contact time: 3 ppw 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

TKG 710 Theory of nuclear medicine 710

Academic organisation: Nuclear Medicine

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 30

TNM 800 Applied research methods 800

Academic organisation: School of Health Systems and Public Health

Period of presentation: Year

Language of tuition: English

Credits: 5

Module content:

*Attendance module only

VNM 800 Nursing research methodology 800

Academic organisation: Nursing Science

Contact time: 1 lpw 2 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 40

ACC 860 Advanced child nursing science 860

Academic organisation: Nursing Science

Contact time: 2 ppw

Period of presentation: Year

Language of tuition: English

Credits: 30

ACC 862 Advanced child nursing science 862

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

ACC 870 Advanced child nursing science 870

Academic organisation: Nursing Science

Contact time: 2 ppw

Period of presentation: Year

Language of tuition: English

Credits: 30

ACC 871 Advanced child nursing science 871

Academic organisation: Nursing Science

Contact time: 1 lpw 2 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 40

ACC 872 Advanced child nursing science 872

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 2 Language of tuition: English	Credits: 40
ACN 871 Advanced community nursing science 871 Academic organisation: Nursing Science Contact time: 2 dpw 1 lpw Period of presentation: Semester 1 Language of tuition: English	Credits: 40
ACN 872 Advanced community nursing science 872 Academic organisation: Nursing Science Contact time: 2 dpw 1 lpw Period of presentation: Semester 2 Language of tuition: English	Credits: 40
AEH 800 Anatomy, embryology and histology 800 Academic organisation: Anatomy Contact time: 5 lpw 1 dpw Period of presentation: Year Language of tuition: Double medium	Credits: 24
AEH 801 Anatomy, embryology and histology 801 Academic organisation: Anatomy Contact time: 1 other per week Period of presentation: Year Language of tuition: Double medium	Credits: 6
AHM 870 Reproductive health epidemiology 870 Academic organisation: School of Health Systems and Public Health Period of presentation: Year Language of tuition: English	Credits: 10
AMN 861 Advanced midwifery and neonatal nursing science 861 Academic organisation: Nursing Science Contact time: 1 lpw 2 dpw Period of presentation: Semester 1 Language of tuition: English	Credits: 12
AMN 862 Advanced midwifery and neonatal nursing science 862 Academic organisation: Nursing Science Contact time: 2 dpw 1 lpw Period of presentation: Semester 2 Language of tuition: English	Credits: 12
AMN 870 Advanced midwifery and neonatal nursing science 870 Academic organisation: Nursing Science Contact time: 2 ppw Period of presentation: Year Language of tuition: English	Credits: 30
AMN 871 Advanced midwifery and neonatal nursing science 871 Academic organisation: Nursing Science	

Contact time: 2 dpw 1 lpw
Period of presentation: Semester 1
Language of tuition: English **Credits:** 40

AMN 872 Advanced midwifery and neonatal nursing science 872

Academic organisation: Nursing Science
Contact time: 2 dpw 1 lpw
Period of presentation: Semester 2
Language of tuition: English **Credits:** 40

AMS 870 Advanced medical and surgical nursing (Critical care: General) 870

Academic organisation: Nursing Science
Contact time: 2 ppw 1 other per week
Period of presentation: Year
Language of tuition: English **Credits:** 30

AMS 871 Advanced medical and surgical nursing (Critical care: General) 871

Academic organisation: Nursing Science
Contact time: 1 dpw 1 spw 1 lpw
Period of presentation: Semester 1
Language of tuition: English **Credits:** 40

AMS 872 Advanced medical and surgical nursing (Critical care: General) 872

Academic organisation: Nursing Science
Contact time: 1 spw 1 lpw 1 dpw
Period of presentation: Semester 2
Language of tuition: English **Credits:** 40

ANA 800 Anatomy 800

Academic organisation: Anatomy
Contact time: 1 dpw 1 lpw
Period of presentation: Year
Language of tuition: Double medium **Credits:** 36

ANA 802 Anatomy 802

Academic organisation: Anatomy
Contact time: 1 lpw 1 dpw
Period of presentation: Year
Language of tuition: Double medium **Credits:** 36

ANA 803 Anatomy 803

Academic organisation: Anatomy
Contact time: 1 dpw 1 lpw
Period of presentation: Year
Language of tuition: Double medium **Credits:** 36

ANA 804 Anatomy 804

Academic organisation: Anatomy
Contact time: 1 dpw 1 lpw
Period of presentation: Year
Language of tuition: Double medium **Credits:** 36

ANA 805 Anatomy 805

Academic organisation: Anatomy

Contact time: 1 dpw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

ANA 807 Anatomy 807

Academic organisation: Anatomy

Contact time: 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

ANA 808 Anatomy 808

Academic organisation: Anatomy

Contact time: 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

ANA 809 Anatomy 809

Academic organisation: Anatomy

Contact time: 1 dpw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

ANA 871 Anatomy 871

Academic organisation: Anatomy

Contact time: 1 dpw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

ANA 872 Anatomy 872

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

ANA 873 Anatomy 873

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

ANA 874 Anatomy 874

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

ANA 875 Anatomy 875

Academic organisation: Anatomy

Contact time: 1 dpw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

ANA 876 Anatomy 876**Academic organisation:** Anatomy**Contact time:** 1 lpw 1 dpw**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 36**ANA 877 Anatomy 877****Academic organisation:** Anatomy**Contact time:** 1 other per week**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 36**ANA 890 Dissertation: Anatomy 890****Academic organisation:** Anatomy**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 240**ANA 891 Anatomy 891****Academic organisation:** Anatomy**Contact time:** 1 lpw 1 dpw**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 36**ANA 893 Anatomy 893****Academic organisation:** Anatomy**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 36**ANA 894 Anatomy 894****Academic organisation:** Anatomy**Contact time:** 1 lpw 1 dpw**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 36**ANA 895 Anatomy 895****Academic organisation:** Anatomy**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 36**ANA 896 Anatomy 896****Academic organisation:** Anatomy**Contact time:** 1 dpw 1 lpw**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 36**ANA 897 Anatomy 897****Academic organisation:** Anatomy**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 36**ANA 898 Anatomy 898****Academic organisation:** Anatomy

Contact time: 1 dpw 1 lpw Period of presentation: Year Language of tuition: Double medium	Credits: 36
ANE 801 Anaesthesiology 801 Academic organisation: Anaesthesiology Contact time: 1 spw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 300
ANN 870 Advanced neonatal nursing science 870 Academic organisation: Nursing Science Contact time: 2 ppw 1 other per week Period of presentation: Year Language of tuition: English	Credits: 30
ANN 871 Advanced neonatal nursing science 871 Academic organisation: Nursing Science Contact time: 1 lpw 2 dpw Period of presentation: Semester 1 Language of tuition: English	Credits: 40
ANN 872 Advanced neonatal nursing science 872 Academic organisation: Nursing Science Contact time: 2 dpw 1 lpw Period of presentation: Semester 2 Language of tuition: English	Credits: 40
ANP 800 Anatomical pathology 800 Academic organisation: Anatomical Pathology Contact time: 10 dpw 20 other per week 2 spw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 300
ANP 801 Anatomical pathology 801 Academic organisation: Anatomical Pathology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 36
ANP 802 Anatomical pathology 802 Academic organisation: Anatomical Pathology Contact time: 1 other per week 1 dpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 36
ANP 803 Anatomical pathology 803 Academic organisation: Anatomical Pathology Contact time: 1 dpw 1 other per week Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 36

ANP 807 Anatomical pathology 807**Academic organisation:** Anatomical Pathology**Contact time:** 1 other per week 1 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36**ANP 808 Anatomical pathology 808****Academic organisation:** Anatomical Pathology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 48**ANP 809 Anatomical pathology 809****Academic organisation:** Anatomical Pathology**Contact time:** 1 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36**ANP 870 Anatomical pathology 870****Academic organisation:** Anatomical Pathology**Contact time:** 1 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36**ANP 871 Anatomical pathology 871****Academic organisation:** Anatomical Pathology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36**ANP 872 Anatomical pathology 872****Academic organisation:** Anatomical Pathology**Contact time:** 1 dpw 1 lpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36**ANP 874 Anatomical pathology 874****Academic organisation:** Anatomical Pathology**Contact time:** 2 spw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36**ANP 875 Anatomical pathology 875****Academic organisation:** Anatomical Pathology**Contact time:** 1 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36**ANP 876 Anatomical pathology 876****Academic organisation:** Anatomical Pathology**Contact time:** 1 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36

ANP 877 Anatomical pathology 877

Academic organisation: Anatomical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

ANP 878 Anatomical pathology 878

Academic organisation: Anatomical Pathology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

ANP 879 Anatomical pathology 879

Academic organisation: Anatomical Pathology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

ANP 892 Anatomical pathology 892

Academic organisation: Anatomical Pathology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

ANX 871 Advanced nursing management 871

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 40

ANX 872 Advanced nursing management 872

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 40

ANZ 871 Advanced nursing education 871

Academic organisation: Nursing Science

Contact time: 1 lpw 2 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 40

ANZ 872 Advanced nursing education 872

Academic organisation: Nursing Science

Contact time: 1 lpw 2 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 40

APA 800 General pathology 800

Academic organisation: Anatomical Pathology

Contact time: 2 spw 10 dpw 20 other per week

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

APA 808 General pathology 808**Academic organisation:** Anatomical Pathology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**APC 871 Primary curative nursing science 871****Academic organisation:** Nursing Science**Contact time:** 1 lpw 2 dpw**Period of presentation:** Semester 1**Language of tuition:** English**Credits:** 40**APC 872 Primary curative nursing science 872****Academic organisation:** Nursing Science**Contact time:** 2 dpw 1 lpw**Period of presentation:** Semester 2**Language of tuition:** English**Credits:** 40**APN 870 Advanced psychiatric nursing science 870****Academic organisation:** Nursing Science**Period of presentation:** Year**Language of tuition:** English**Credits:** 35**APN 871 Advanced psychiatric nursing science 871****Academic organisation:** Nursing Science**Contact time:** 1 lpw 1 other per week 2 dpw**Period of presentation:** Semester 1**Language of tuition:** English**Credits:** 40**APN 872 Advanced psychiatric nursing science 872****Academic organisation:** Nursing Science**Contact time:** 2 dpw 1 other per week 1 lpw**Period of presentation:** Semester 2**Language of tuition:** English**Credits:** 40**APY 801 Anatomical pathology 801****Academic organisation:** Anatomical Pathology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**APY 871 Anatomical pathology (Capita selecta) 871****Academic organisation:** Anatomical Pathology**Period of presentation:** Semester 1**Language of tuition:** English**Credits:** 12**ART 801 Occupational therapy 801****Academic organisation:** Occupational Therapy**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 100**Module content:**

An in-depth study of upper limb biomechanics and ergonomics, evaluation and treatment techniques for hand and upper limb injuries and conditions; advanced clinical management.

ART 802 Occupational therapy 802

Academic organisation: Occupational Therapy

Period of presentation: Year

Language of tuition: Double medium

Credits: 100

Module content:

An in-depth study of occupational therapy as applicable to neurological conditions in adults.

ART 803 Occupational therapy 803

Academic organisation: Occupational Therapy

Period of presentation: Year

Language of tuition: Double medium

Credits: 100

Module content:

An in-depth study of determining and treatment of children with different diagnoses.

ART 804 Occupational therapy 804

Academic organisation: Occupational Therapy

Period of presentation: Year

Language of tuition: Double medium

Credits: 100

Module content:

An in-depth study of occupational therapy as applicable to psychiatric disturbances in adults and/or children.

ART 805 Occupational therapy 805

Academic organisation: Occupational Therapy

Contact time: 4 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 100

Module content:

An in-depth study of (i) classification, development of activity participation and its influence on health; (ii) biopsychosocial perspectives on activity participation.

ART 890 Dissertation: Occupational therapy 890

Academic organisation: Occupational Therapy

Period of presentation: Year

Language of tuition: Double medium

Credits: 200

ART 891 Occupational therapy 891

Academic organisation: Occupational Therapy

Period of presentation: Year

Language of tuition: Double medium

Credits: 38

ASW 800 Administrative theory and healthrelated sociology 800

Academic organisation: Community Health

Period of presentation: Year

Language of tuition: English

Credits: 70

ATN 860 Advanced medical and surgical nursing science (Critical care: Trauma and emergency nursing science) 860

Academic organisation: Nursing Science

Contact time: 2 ppw

Period of presentation: Year

Language of tuition: English

Credits: 30

ATN 861 Advanced medical and surgical nursing science 861

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

ATN 862 Advanced medical and surgical nursing science 862

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

ATN 870 Advanced medical and surgical nursing science (Critical care: Trauma and emergency nursing science) 870

Academic organisation: Nursing Science

Contact time: 2 ppw

Period of presentation: Year

Language of tuition: English

Credits: 30

ATN 871 Advanced medical and surgical nursing science (Critical care: Trauma and emergency nursing science) 871

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 40

ATN 872 Advanced medical and surgical nursing science (Critical care: Trauma and emergency nursing science) 872

Academic organisation: Nursing Science

Contact time: 2 dpw 1 lpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 40

AVN 861 Advanced women's health 861

Academic organisation: Nursing Science

Contact time: 3 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

AVN 862 Advanced women's health 862

Academic organisation: Nursing Science

Contact time: 3 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

AVN 871 Advanced women's health 871

Academic organisation: Nursing Science

Contact time: 3 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

AVN 872 Advanced women's health 872

Academic organisation: Nursing Science

Contact time: 3 dpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

BOS 871 Biostatistics (2) 871

Academic organisation: School of Health Systems and Public Health

Contact time: 16 lpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 10

BOS 873 Survival analysis 873

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 3 dpw

Period of presentation: Year

Language of tuition: English

Credits: 5

BPB 800 Principles of practice management 800

Academic organisation: Community Dentistry

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

BSN 801 Biostatistics and research methodology 801

Academic organisation: Dentistry General

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

BVC 800 Principles of surgery 800

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

BVC 801 Principles of surgery 801

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

BVC 802 Principles of surgery 802

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

BVC 803 Principles of surgery 803

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

BVC 804 Principles of surgery 804

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

BVC 805 Principles of surgery 805 Academic organisation: Surgery Period of presentation: Year Language of tuition: Double medium	Credits: 36
BVC 806 Principles of surgery 806 Academic organisation: Surgery Period of presentation: Year Language of tuition: Double medium	Credits: 52
BVC 807 Principles of surgery 807 Academic organisation: Surgery Period of presentation: Year Language of tuition: Double medium	Credits: 52
BVC 810 Principles of surgery 810 Academic organisation: Surgery Period of presentation: Semester 1 Language of tuition: Double medium	Credits: 36
BVC 811 Principles of surgery 811 Academic organisation: Surgery Period of presentation: Semester 1 Language of tuition: Double medium	Credits: 36
BVC 820 Principles of surgery 820 Academic organisation: Surgery Period of presentation: Semester 2 Language of tuition: Double medium	Credits: 36
BVP 800 Principles of pathology 800 Academic organisation: Oral Pathology and Oral Biology Contact time: 1 dpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
CBA 800 Anatomical and surgical principles 800 Academic organisation: Maxillo-Facial and Oral Surgery Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
CBR 800 Maxillo-facial radiology and principles of surgery 800 Academic organisation: Dental Management Sciences Period of presentation: Year Language of tuition: English	Credits: 24
CDE 870 Principles: Chronic disease epidemiology 870 Academic organisation: School of Health Systems and Public Health Contact time: 1 ppw 3 dpw Period of presentation: Year Language of tuition: English	Credits: 12

CDS 871 Disease outbreak and control 871

Academic organisation: School of Health Systems and Public Health

Contact time: 40 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

CDS 872 Economic evaluation of disease control intervention 872

Academic organisation: School of Health Systems and Public Health

Contact time: 40 dpw

Period of presentation: Year

Language of tuition: English

Credits: 10

CDT 870 Infectious disease epidemiology 870

Academic organisation: School of Health Systems and Public Health

Contact time: 40 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

CDX 870 Prevention and control of HIV/Aids 870

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 3 dpw

Period of presentation: Year

Language of tuition: English

Credits: 10

CHP 800 Chemical pathology 800

Academic organisation: Chemical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 300

CHP 801 Chemical pathology 801

Academic organisation: Chemical Pathology

Contact time: 1 spw 1 other per week 2 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

CHP 802 Chemical pathology 802

Academic organisation: Chemical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

CHP 805 Chemical pathology 805

Academic organisation: Chemical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

CHP 809 Chemical pathology 809

Academic organisation: Chemical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

CHP 871 Chemical pathology (Capita selecta) 871

Academic organisation: Chemical Pathology

Period of presentation: Semester 1	
Language of tuition: Both Afr and Eng	Credits: 36
CHP 890 Dissertation: Chemical pathology 890	
Academic organisation: Chemical Pathology	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 240
CHR 800 Surgery 800	
Academic organisation: Surgery	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 300
CHR 801 Surgery 801	
Academic organisation: Surgery	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 36
CHR 802 Surgery 802	
Academic organisation: Surgery	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 36
CHR 805 Paediatric surgery 805	
Academic organisation: Surgery	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 350
DEK 800 Dietetics 800	
Academic organisation: Human Nutrition	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 24
DEK 802 Seminar meetings 802	
Academic organisation: Human Nutrition	
Contact time: 1 spw	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 15
Module content:	
30 hours of scheduled seminar activities. Topics will be evaluated in consultation with the Head: Human Nutrition Division; written evaluation.	
DEK 803 Literature studies 803	
Academic organisation: Human Nutrition	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 15
Module content:	
Literature studies in human nutrition.	
DEK 804 Immunonutrition 804	
Academic organisation: Human Nutrition	
Contact time: 1 dpw	

Period of presentation: Semester 1 Language of tuition: English	Credits: 20
DEK 805 Sport nutrition 805 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: English	Credits: 20
DEK 806 Nutrition counselling 806 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: English	Credits: 20
DEK 807 Diet-related non-communicable lifestyle diseases 807 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: English	Credits: 20
DEK 808 Nutrition support 808 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: English	Credits: 20
DEK 809 Nutri-genomics 809 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: English	Credits: 20
DEK 880 Introduction to research and nutritional epidemiology 880 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: English	Credits: 30
DEK 881 Nutritional assessment 881 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: English	Credits: 30
DEK 882 Literature study 882 Academic organisation: Human Nutrition Contact time: 1 dpw 1 spw Period of presentation: Semester 1 Language of tuition: English	Credits: 20

DEK 883 Micro-nutrient malnutrition 883 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: English	Credits: 20
DEK 884 Early childhood nutrition intervention 884 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 or Semester 2 Language of tuition: English	Credits: 20
DEK 885 Human nutrition 885 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: Double medium	Credits: 12
DEK 886 Diet therapy 886 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: Double medium	Credits: 12
DEK 887 Applied nutrition 887 Academic organisation: Human Nutrition Contact time: 1 dpw Period of presentation: Semester 1 Language of tuition: Double medium	Credits: 12
DEK 888 Literature study 888 Academic organisation: Human Nutrition Period of presentation: Semester 1 Language of tuition: Double medium	Credits: 12
DEK 890 Dissertation: Dietetics 890 Academic organisation: Human Nutrition Period of presentation: Year Language of tuition: Double medium	Credits: 24
DEK 895 Essay: Dietetics 895 Academic organisation: Human Nutrition Period of presentation: Year Language of tuition: Double medium	Credits: 120
DER 800 Dermatology 800 Academic organisation: Family Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 350
DLM 807 Diagnostic laboratory medicine 807 Academic organisation: Chemical Pathology	

Contact time: 1 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 12

DTE 880 Sports dietetics 880

Academic organisation: Human Nutrition

Contact time: 8 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 12

EBD 800 Epidemiology theory, biostatistics and demography 800

Academic organisation: Community Health

Period of presentation: Year

Language of tuition: English

Credits: 70

ECI 801 Critical theoretical analysis in early childhood intervention 801

Academic organisation: Centre for Augmentative and Alternative Communication

Period of presentation: Year

Language of tuition: English

Credits: 90

ECI 860 Child health 860

Academic organisation: Centre for Augmentative and Alternative Communication

Contact time: 1 dpw 10 spw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 60

ECI 861 Communication pathology 861

Academic organisation: Centre for Augmentative and Alternative Communication

Contact time: 5 web-based periods per week

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 60

ECI 862 Education psychology 862

Academic organisation: Centre for Augmentative and Alternative Communication

Contact time: 5 web-based periods per week

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 60

ECI 863 Nursing science 863

Academic organisation: Centre for Augmentative and Alternative Communication

Contact time: 5 web-based periods per week 10 spw 1 dpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 60

ECI 865 Occupational therapy 865

Academic organisation: Centre for Augmentative and Alternative Communication

Contact time: 5 web-based periods per week

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 60

ECI 866 Physiotherapy 866

Academic organisation: Centre for Augmentative and Alternative Communication

Contact time: 10 spw 1 dpw 5 web-based periods per week

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 60

ECI 867 Severe disability 867

Academic organisation: Centre for Augmentative and Alternative Communication

Contact time: 5 web-based periods per week

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 60

ECI 868 Social work 868

Academic organisation: Centre for Augmentative and Alternative Communication

Contact time: 1 dpw 10 spw 5 web-based periods per week 2 other per week

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 60

ECI 869 Audiology 869

Academic organisation: Centre for Augmentative and Alternative Communication

Contact time: 10 spw 5 web-based periods per week 1 dpw 2 other per week

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 60

ECI 872 Collaborative problem-solving 872

Academic organisation: Centre for Augmentative and Alternative Communication

Contact time: 5 web-based periods per week 3 spw 1 dpw

Period of presentation: Year

Language of tuition: English

Credits: 20

ECI 873 Measurement in ECI 873

Academic organisation: Centre for Augmentative and Alternative Communication

Period of presentation: Semester 2

Language of tuition: English

Credits: 20

ECI 874 Evaluation and intervention 874

Academic organisation: Centre for Augmentative and Alternative Communication

Period of presentation: Semester 1

Language of tuition: English

Credits: 20

EHM 870 Basis of environmental health 870

Academic organisation: School of Health Systems and Public Health

Contact time: 1 dpw 1 lpw 1 other per week 1 ppw 1 spw

Period of presentation: Year

Language of tuition: English

Credits: 5

EHM 872 Methods of exposure assessment 872

Academic organisation: School of Health Systems and Public Health

Period of presentation: Year

Language of tuition: English

Credits: 10

EPI 800 Epidemiology 800

Academic organisation: Community Health

Period of presentation: Year

Language of tuition: Both Afr and Eng **Credits:** 24

Module content:

The following epidemiology modules are compulsory:

Introduction to health measuring and informatics

Basic epidemiology and biostatistics

Analytical epidemiology

Taking of surveys

Introduction to health informatics

Basic quality assurance

Intermediary biostatistics

Introduction to health system research

Research ethics

Obtaining research awards

Scientific writing and reporting

Introduction to quantitative research

Community participation in research

Experimental epidemiology: clinical experiments

EPI 890 Dissertation: Epidemiology 890

Academic organisation: Community Health

Period of presentation: Year

Language of tuition: Both Afr and Eng **Credits:** 100

EPM 870 Analytical epidemiology 870

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 3 dpw

Period of presentation: Year

Language of tuition: English **Credits:** 5

EPM 871 Epidemiological study design 871

Academic organisation: School of Health Systems and Public Health

Contact time: 3 dpw 1 ppw

Period of presentation: Year

Language of tuition: English **Credits:** 5

EPM 873 Conducting surveys 873

Academic organisation: School of Health Systems and Public Health

Contact time: 12 lpw 1 ppw

Period of presentation: Year

Language of tuition: English **Credits:** 15

EPM 874 Disease surveillance 874

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 3 dpw

Period of presentation: Year

Language of tuition: English **Credits:** 5

FAR 802 Pharmacology 802

Academic organisation: Pharmacology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Double medium **Credits:** 36

FAR 803 Pharmacology 803

Academic organisation: Pharmacology

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

FAR 804 Pharmacology 804

Academic organisation: Pharmacology

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

FAR 805 Pharmacology 805

Academic organisation: Pharmacology

Period of presentation: Year

Language of tuition: Double medium

Credits: 1

FAR 806 Pharmacology 806

Academic organisation: Pharmacology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

Module content:

*Attendance module only

FAR 809 Pharmacology 809

Academic organisation: Pharmacology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 24

FAR 870 Pharmacology 870

Academic organisation: Pharmacology

Period of presentation: Year

Language of tuition: Double medium

Credits: 24

FAR 871 Pharmacology 871

Academic organisation: Pharmacology

Period of presentation: Year

Language of tuition: Double medium

Credits: 35

FAR 872 Pharmacology: Introduction to laboratory research and techniques 872

Academic organisation: Pharmacology

Contact time: 4 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 12

Module content:

Content of syllabus is available on request from the head of department.

FAR 873 Applied pharmacology 873

Academic organisation: Pharmacology

Contact time: 1 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 5

FAR 880 Pharmacology 800

Academic organisation: Pharmacology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

FAR 890 Dissertation: Pharmacology 890

Academic organisation: Pharmacology

Period of presentation: Year

Language of tuition: Double medium

Credits: 240

FEG 881 Core concepts in philosophy and mental health 881

Academic organisation: Psychiatry

Contact time: 2 other per week 1 web-based period per week 2 spw 2 lpw

Period of presentation: Semester 1 and Semester 2

Language of tuition: Double medium

Credits: 10

FEG 882 Philosophy of science and mental health 882

Academic organisation: Psychiatry

Contact time: 2 other per week 1 web-based period per week 2 lpw 2 spw

Period of presentation: Semester 1 and Semester 2

Language of tuition: Double medium

Credits: 10

FEG 883 Philosophy of mind and mental health 883

Academic organisation: Psychiatry

Contact time: 2 lpw 1 web-based period per week 2 spw 2 other per week

Period of presentation: Semester 1 and Semester 2

Language of tuition: Double medium

Credits: 10

FEG 884 Ethics, values and mental health 884

Academic organisation: Psychiatry

Contact time: 2 lpw 1 web-based period per week 2 other per week 2 spw

Period of presentation: Semester 1 and Semester 2

Language of tuition: Double medium

Credits: 10

FEG 890 Dissertation: Philosophy and ethics of mental health 890

Academic organisation: Psychiatry

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 140

FFD 801 Pharmaco-kinetics and pharmaco-dynamics 801

Academic organisation: Pharmacology

Period of presentation: Year

Language of tuition: Double medium

Credits: 30

FFD 802 Pharmaco-kinetics and pharmaco-dynamics 802

Academic organisation: Pharmacology

Period of presentation: Year

Language of tuition: Double medium

Credits: 30

FFD 803 Pharmaco-kinetics and pharmaco-dynamics 803

Academic organisation: Pharmacology

Period of presentation: Year	
Language of tuition: Double medium	Credits: 30
FSA 872 Physiotherapeutic anatomy 872	
Academic organisation: Anatomy	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 24
FSA 873 Physiotherapeutic anatomy 873	
Academic organisation: Anatomy	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 24
FSG 801 Physiology 801	
Academic organisation: Physiology	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 36
FSG 806 Physiology 806	
Academic organisation: Physiology	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 36
FSG 808 Physiology 808	
Academic organisation: Physiology	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 36
FSG 809 Physiology 809	
Academic organisation: Physiology	
Contact time: 2 lpw	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 36
FSG 876 Physiology 876	
Academic organisation: Physiology	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 24
FSG 880 Sports physiology 880	
Academic organisation: Physiology	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 36
FTA 801 Applied electro-biomechanics 801	
Academic organisation: Physiotherapy	
Contact time: 3 lpw	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 10
FTA 802 Applied electro-biomechanics 802	
Academic organisation: Physiotherapy	

Contact time: 3 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 10
FTA 803 Applied electro-biomechanics 803 Academic organisation: Physiotherapy Contact time: 3 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 10
FTA 804 Applied electro-biomechanics 804 Academic organisation: Physiotherapy Contact time: 3 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 10
FTA 805 Applied electro-biomechanics 805 Academic organisation: Physiotherapy Contact time: 3 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 10
FTA 806 Applied electro-biomechanics 806 Academic organisation: Physiotherapy Contact time: 3 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 10
FTA 807 Applied electro-biomechanics 807 Academic organisation: Physiotherapy Contact time: 3 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 10
FTA 808 Applied electro-biomechanics 808 Academic organisation: Physiotherapy Contact time: 3 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 10
FTK 801 Clinical physiotherapy 801 Academic organisation: Physiotherapy Contact time: 1 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 160
FTK 802 Clinical physiotherapy 802 Academic organisation: Physiotherapy Contact time: 1 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 160

FTK 803 Clinical physiotherapy 803**Academic organisation:** Physiotherapy**Contact time:** 1 lpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 160**FTK 804 Clinical physiotherapy 804****Academic organisation:** Physiotherapy**Contact time:** 1 lpw 6 dpw 1 ppw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 160**FTK 805 Clinical physiotherapy 805****Academic organisation:** Physiotherapy**Contact time:** 1 lpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 160**FTK 806 Clinical physiotherapy 806****Academic organisation:** Physiotherapy**Contact time:** 1 lpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 160**FTK 807 Clinical physiotherapy 807****Academic organisation:** Physiotherapy**Contact time:** 1 lpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 160**FTK 808 Clinical physiotherapy 808****Academic organisation:** Physiotherapy**Contact time:** 1 lpw 1 spw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 160**FTP 873 Physiotherapy: Sports medicine 873****Academic organisation:** Physiotherapy**Contact time:** 2 spw 10 lpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**FTP 890 Dissertation: Physiotherapy 890****Academic organisation:** Physiotherapy**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 240**FTP 891 Essay: Physiotherapy 891****Academic organisation:** Physiotherapy**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24

FTP 893 Research project 893

Academic organisation: Physiotherapy

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 16

FTX 801 Professional physiotherapy practice 801

Academic organisation: Physiotherapy

Contact time: 1 web-based period per week 5 dpw 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 16

FTX 802 Professional physiotherapy practice 802

Academic organisation: Physiotherapy

Contact time: 6 lpw 5 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 16

FTX 803 Professional physiotherapy practice 803

Academic organisation: Physiotherapy

Contact time: 5 dpw 6 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 16

FTX 804 Professional physiotherapy practice 804

Academic organisation: Physiotherapy

Contact time: 5 dpw 1 web-based period per week 2 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 16

FTX 805 Professional physiotherapy practice 805

Academic organisation: Physiotherapy

Contact time: 6 lpw 5 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 16

FTX 806 Professional physiotherapy practice 806

Academic organisation: Physiotherapy

Contact time: 5 dpw 6 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 16

FTX 807 Professional physiotherapy practice 807

Academic organisation: Physiotherapy

Contact time: 5 dpw 6 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 16

FTX 808 Professional physiotherapy practice 808

Academic organisation: Physiotherapy

Contact time: 6 lpw 5 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 16

GER 800 Geriatrics 800**Academic organisation:** Family Medicine**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 300**GGK 800 Forensic medicine 800****Academic organisation:** Forensic Health Sciences**Contact time:** 1 spw 2 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 300**GGS 800 Community health 800****Academic organisation:** Community Health**Period of presentation:** Year**Language of tuition:** English**Credits:** 70**GGS 801 Community health 801****Academic organisation:** Community Health**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**GGS 890 Dissertation: Community health 890****Academic organisation:** Community Health**Period of presentation:** Year**Language of tuition:** English**Credits:** 200**GIM 800 Examination: Medical immunology 800****Academic organisation:** Immunology**Period of presentation:** Year**Language of tuition:** English**Credits:** 1**GIM 890 Dissertation: Medical immunology 800****Academic organisation:** Immunology**Period of presentation:** Year**Language of tuition:** English**Credits:** 240**GKW 800 Medical nuclear science 800****Academic organisation:** Nuclear Medicine**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 1**GKW 890 Dissertation: Medical nuclear science 890****Academic organisation:** Nuclear Medicine**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 240**GMB 800 Medical microbiology 800****Academic organisation:** Medical Microbiology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 300

GMB 801 Medical microbiology 801

Academic organisation: Medical Microbiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

GMB 805 Medical microbiology 805

Academic organisation: Medical Microbiology

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 1

GMB 871 Medical microbiology (Capita selecta) 871

Academic organisation: Medical Microbiology

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 36

GMB 890 Dissertation: Medical microbiology 890

Academic organisation: Medical Microbiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 240

GMP 800 Health human resource planning 800

Academic organisation: Community Dentistry

Period of presentation: Year

Language of tuition: English

Credits: 24

GNF 800 Medical physics 800

Academic organisation: Radiation Oncology

Contact time: 2 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

GNF 890 Dissertation: Medical physics 890

Academic organisation: Radiation Oncology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 240

GTH 770 Community dentistry 770

Academic organisation: Community Dentistry

Contact time: 1 dpw 1 spw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

GTH 800 Community dentistry 800

Academic organisation: Community Dentistry

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

GTH 890 Dissertation: Community dentistry 890

Academic organisation: Community Dentistry

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

GVR 800 Medical virology 800 Academic organisation: Medical Virology Period of presentation: Year Language of tuition: English	Credits: 300
GVR 801 Medical virology 801 Academic organisation: Medical Virology Period of presentation: Year Language of tuition: English	Credits: 36
GVR 805 Medical virology 805 Academic organisation: Medical Virology Period of presentation: Year Language of tuition: English	Credits: 1
GVR 871 Medical virology (Capita selecta) 871 Academic organisation: Medical Virology Period of presentation: Semester 1 Language of tuition: English	Credits: 36
GVR 890 Dissertation: Medical virology 890 Academic organisation: Medical Virology Period of presentation: Year Language of tuition: English	Credits: 240
HAK 800 Family medicine 800 Academic organisation: Family Medicine Contact time: 1 dpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 300
HAK 801 Family medicine 801 Academic organisation: Family Medicine Contact time: 3 lpw 1 ppw 5 spw 2 dpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
HAK 802 Family medicine 802 Academic organisation: Family Medicine Contact time: 2 dpw 1 ppw 5 spw 3 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 36
HAK 803 Family medicine 803 Academic organisation: Family Medicine Contact time: 1 ppw 2 dpw 5 spw 3 lpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 36
HAK 804 Family medicine 804 Academic organisation: Family Medicine Contact time: 2 dpw 1 ppw 5 spw 3 lpw	

Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 36
HAK 891 Essay 891 Academic organisation: Family Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
HCE 870 Introduction to health economics 870 Academic organisation: School of Health Systems and Public Health Period of presentation: Year Language of tuition: English	Credits: 10
HCM 873 Managing occupational health services 873 Academic organisation: School of Health Systems and Public Health Contact time: 16 lpw 1 ppw Period of presentation: Year Language of tuition: English	Credits: 10
HCS 875 Laboratory skills in public health 875 Academic organisation: School of Health Systems and Public Health Contact time: 40 lpw Period of presentation: Year Language of tuition: English	Credits: 10
HEM 800 Haematology 800 Academic organisation: Haematology Period of presentation: Year Language of tuition: Double medium	Credits: 300
HEM 801 Haematology 801 Academic organisation: Haematology Period of presentation: Year Language of tuition: Double medium	Credits: 36
HEM 809 Haematology 809 Academic organisation: Haematology Period of presentation: Year Language of tuition: Double medium	Credits: 1
HEM 871 Haematology (Capita selecta) 871 Academic organisation: Haematology Period of presentation: Semester 1 Language of tuition: Double medium	Credits: 36
HEM 890 Dissertation: Haematology 890 Academic organisation: Haematology Period of presentation: Year Language of tuition: Double medium	Credits: 240
HME 870 Introduction to health measurement 870 Academic organisation: School of Health Systems and Public Health	

Contact time: 1 other per week 1 ppw 1 spw 1 dpw 1 lpw	
Period of presentation: Year	
Language of tuition: English	Credits: 10
HTH 800 Restorative dentistry (Capita selecta) 800	
Academic organisation: Odontology	
Contact time: 1 dpw 1 spw	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 24
HTH 890 Dissertation: Restorative dentistry 890	
Academic organisation: Odontology	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 24
ICX 874 Integrative case study (5) 874	
Academic organisation: School of Health Systems and Public Health	
Contact time: 40 lpw	
Period of presentation: Semester 2	
Language of tuition: English	Credits: 5
ICX 875 Integrative case study (6) 875	
Academic organisation: School of Health Systems and Public Health	
Contact time: 40 lpw	
Period of presentation: Semester 2	
Language of tuition: English	Credits: 5
IGK 800 Internal medicine 800	
Academic organisation: Family Medicine	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 300
IGK 804 Internal medicine 804	
Academic organisation: Family Medicine	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 36
IGK 805 Internal medicine 805	
Academic organisation: Family Medicine	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 36
KDE 801 Nuclear medicine 801	
Academic organisation: Nuclear Medicine	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 300
KDE 802 Nuclear physics 802	
Academic organisation: Nuclear Medicine	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 36

KDE 890 Dissertation: Nuclear medicine 890

Academic organisation: Radiographic Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 240

KEM 800 Clinical epidemiology 800

Academic organisation: Community Health

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

Module content:

Students will be required to satisfactorily complete an individualised series of modules, compiled in conjunction with consultants in the department. The list of available modules will differ from year to year, depending upon the demand for the modules in question. The list of available modules will also be reviewed from time to time, in accordance with the changes in the field of public health. A list of the modules offered at present is obtainable from the departmental secretary. (Tel 012 339 8608 or 339 8618)

KEM 890 Dissertation: Clinical epidemiology 890

Academic organisation: Community Health

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 100

KGE 800 Paediatrics 800

Academic organisation: Paediatrics

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 300

KGE 802 Paediatrics 802

Academic organisation: Paediatrics

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

KGM 800 Maxillo-facial and oral surgery 800

Academic organisation: Maxillo-Facial and Oral Surgery

Contact time: 1 dpw 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

KGM 802 Maxillo-facial and oral surgery 802

Academic organisation: Maxillo-Facial and Oral Surgery

Contact time: 1 dpw 1 spw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 700

KGM 803 Maxillo-facial and oral surgery 803

Academic organisation: Maxillo-Facial and Oral Surgery

Contact time: 1 dpw 1 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

KGM 890 Dissertation: Maxillo-facial and oral surgery 890

Academic organisation: Maxillo-Facial and Oral Surgery

Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 24
KGM 891 Clinical training 891	
Academic organisation: Maxillo-Facial and Oral Surgery	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 120
KGM 895 Essay: Maxillo-facial and oral surgery 895	
Academic organisation: Maxillo-Facial and Oral Surgery	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 24
KGR 801 Maxillo-facial röntgenology 801	
Academic organisation: Dental Management Sciences	
Period of presentation: Year	
Language of tuition: English	Credits: 24
KGW 800 Quantitative health sciences 800	
Academic organisation: Community Health	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 1
KGW 890 Dissertation: Quantitative health legislation 890	
Academic organisation: Community Health	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 240
KRT 800 Medical criminalistics 800	
Academic organisation: Forensic Health Sciences	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 1
KRT 890 Dissertation: Medical criminalistics 890	
Academic organisation: Forensic Health Sciences	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 240
LRG 800 Aerospace medicine 800	
Academic organisation: Aerospace Medicine	
Period of presentation: Year	
Language of tuition: English	Credits: 1
LRG 890 Dissertation: Aerospace medicine 890	
Academic organisation: Aerospace Medicine	
Period of presentation: Year	
Language of tuition: English	Credits: 240
MBG 800 Microbiology 800	
Academic organisation: Medical Microbiology	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 300

MBG 802 Microbiology 802

Academic organisation: Medical Microbiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MCH 800 Oral surgery 800

Academic organisation: Maxillo-Facial and Oral Surgery

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 120

MCH 890 Dissertation: Oral surgery 890

Academic organisation: Maxillo-Facial and Oral Surgery

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MCH 895 Essay: Oral surgery 895

Academic organisation: Maxillo-Facial and Oral Surgery

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MDB 800 Oral biology 800

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MDB 801 Oral biology 801

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MDN 800 Medical oncology 800

Academic organisation: Medical Oncology

Period of presentation: Year

Language of tuition: Double medium

Credits: 1

MDN 801 Medical oncology 801

Academic organisation: Medical Oncology

Contact time: 1 lpw 1 spw

Period of presentation: Year

Language of tuition: Double medium

Credits: 300

MDN 890 Dissertation: Medical oncology 890

Academic organisation: Medical Oncology

Period of presentation: Year

Language of tuition: Double medium

Credits: 240

MFG 807 Human physiology 807

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

MFG 890 Dissertation: Human physiology 890**Academic organisation:** Physiology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 240**MFM 801 Medical pharmacology 801****Academic organisation:** Pharmacology**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 30**MFM 802 Medical pharmacology 802****Academic organisation:** Pharmacology**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 30**MFM 803 Medical pharmacology 803****Academic organisation:** Pharmacology**Period of presentation:** Year**Language of tuition:** Double medium**Credits:** 30**MGN 800 Human genetics 800****Academic organisation:** Human Genetics and Developmental Biology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 1**MGN 802 Human genetics 802****Academic organisation:** Human Genetics and Developmental Biology**Contact time:** 14 lpw**Period of presentation:** Semester 1**Language of tuition:** Both Afr and Eng**Credits:** 24**MGN 890 Dissertation: Human genetics 890****Academic organisation:** Human Genetics and Developmental Biology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 240**MIG 800 Military medicine: Internal medicine 800****Academic organisation:** Family Medicine**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 300**MMS 800 Essay: MMed 800****Academic organisation:** Health Sciences Dean's Office**Period of presentation:** Semester 1**Language of tuition:** Both Afr and Eng**Credits:** 12**MPB 890 Dissertation: Oral pathology and oral biology 890****Academic organisation:** Oral Pathology and Oral Biology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24

MPG 800 Oral pathology 800

Academic organisation: Oral Pathology and Oral Biology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MPG 801 Oral pathology 801

Academic organisation: Oral Pathology and Oral Biology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MPG 802 Oral pathology 802

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 500

MPG 803 Oral pathology 803

Academic organisation: Oral Pathology and Oral Biology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MPG 804 Oral pathology 804

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MPG 806 Oral pathology 806

Academic organisation: Oral Pathology and Oral Biology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MPG 890 Dissertation: Oral pathology 890

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MPX 800 Molecular pathology 800

Academic organisation: Oral Pathology and Oral Biology

Contact time: 1 dpw 1 ppw

Period of presentation: Year

Language of tuition: Double medium

Credits: 120

MTS 801 Medical applied psychology 801

Academic organisation: Psychiatry

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

MTS 802 Transcultural practice 802

Academic organisation: Psychiatry

Period of presentation: Year Language of tuition: English	Credits: 36
MTS 803 Personality theory 803 Academic organisation: Psychiatry Period of presentation: Year Language of tuition: English	Credits: 36
MTS 804 Human development 804 Academic organisation: Psychiatry Period of presentation: Year Language of tuition: English	Credits: 36
MTS 805 Research methodology 805 Academic organisation: Psychiatry Period of presentation: Year Language of tuition: English	Credits: 36
MTS 806 Pathology 806 Academic organisation: Psychiatry Period of presentation: Year Language of tuition: English	Credits: 36
MTS 807 Communication theory 807 Academic organisation: Psychiatry Period of presentation: Year Language of tuition: English	Credits: 36
MTS 808 Medical applied psychology: Practical work 808 Academic organisation: Psychiatry Period of presentation: Year Language of tuition: English	Credits: 36
MTS 890 Dissertation: Medical applied psychology 890 Academic organisation: Psychiatry Period of presentation: Year Language of tuition: English	Credits: 100
NAV 882 Research report: Preparation 882 Academic organisation: Pharmacology Contact time: 1 lpw 1 ppw Period of presentation: Semester 1 Language of tuition: Double medium	Credits: 40
NAV 883 Research report 883 Academic organisation: Pharmacology Contact time: 1 dpw 1 other per week Period of presentation: Semester 1 Language of tuition: Double medium	Credits: 40
NCR 800 Neurosurgery 800 Academic organisation: Neurosurgery	

Contact time: 2 spw 3 dpw 1 ppw
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 300

NGK 801 Emergency medicine 801
Academic organisation: Family Medicine
Contact time: 1 ppw 1 dpw 1 lpw
Period of presentation: Year
Language of tuition: Double medium **Credits:** 300

NRE 800 Neurology 800
Academic organisation: Neurology
Period of presentation: Year
Language of tuition: English **Credits:** 300

NRE 801 Neurology 801
Academic organisation: Neurology
Period of presentation: Year
Language of tuition: English **Credits:** 36

ODO 800 Examination: MSc(Odontology) 800
Academic organisation: Dentistry General
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 1

ODO 890 Dissertation: MSc(Odontology) 890
Academic organisation: Dentistry General
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 240

ODO 895 Essay: Odontology 895
Academic organisation: Dentistry General
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 24

OEG 800 Obstetrics and gynaecology 800
Academic organisation: Obstetrics and Gynaecology
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 300

OEG 801 Obstetrics and Gynaecology 801
Academic organisation: Obstetrics and Gynaecology
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 36

OHK 800 Ophthalmology 800
Academic organisation: Ophthalmology
Period of presentation: Year
Language of tuition: Both Afr and Eng **Credits:** 300

ONK 800 Otorhinolaryngology 800
Academic organisation: Otorhinolaryngology

Period of presentation: Year	
Language of tuition: Double medium	Credits: 300
ONK 890 Dissertation: Otorhinolaryngology 890	
Academic organisation: Otorhinolaryngology	
Period of presentation: Year	
Language of tuition: Double medium	Credits: 24
ONO 800 Communicable and non-communicable health conditions 800	
Academic organisation: Community Health	
Period of presentation: Year	
Language of tuition: English	Credits: 70
ORD 800 Orthodontics 800	
Academic organisation: Orthodontics	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 36
ORD 803 Orthodontics 803	
Academic organisation: Orthodontics	
Contact time: 20dpw	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 464
ORD 890 Dissertation: Orthodontics 890	
Academic organisation: Orthodontics	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 240
ORT 800 Orthopaedics 800	
Academic organisation: Orthopaedics	
Contact time: 5 ppw 5 spw	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 300
PAG 801 Pathology 801	
Academic organisation: Anatomical Pathology	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 36
PAG 802 Pathology 802	
Academic organisation: Anatomical Pathology	
Contact time: 1 dpw	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 36
PAG 804 Pathology 804	
Academic organisation: Anatomical Pathology	
Contact time: 1 dpw	
Period of presentation: Year	
Language of tuition: Both Afr and Eng	Credits: 36

PAG 805 Pathology 805

Academic organisation: Anatomical Pathology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

PAG 806 Pathology 806

Academic organisation: Anatomical Pathology

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

PAG 808 Pathology 808

Academic organisation: Anatomical Pathology

Contact time: 1 dpw 2 other per week

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 36

PAG 880 Pathology 880

Academic organisation: Anatomical Pathology

Contact time: 1 ppw 1 dpw 1 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

PCM 870 Introduction to primary health care 870

Academic organisation: School of Health Systems and Public Health

Contact time: 3 dpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 5

PCR 800 Plastic surgery 800

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 300

PDD 871 Pedodontics 871

Academic organisation: Odontology

Contact time: 2 dpw 2 spw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

PHR 870 MPH Mini-dissertation 870

Academic organisation: School of Health Systems and Public Health

Prerequisite: TNM 800

Period of presentation: Year

Language of tuition: English

Credits: 60

PHR 871 Research essay 871

Academic organisation: School of Health Systems and Public Health

Period of presentation: Year

Language of tuition: English

Credits: 60

PHT 801 Physiotherapy 801 Academic organisation: Physiotherapy Period of presentation: Semester 1 Language of tuition: Both Afr and Eng	Credits: 12
PHT 802 Physiotherapy 802 Academic organisation: Physiotherapy Period of presentation: Semester 1 Language of tuition: Both Afr and Eng	Credits: 12
PHT 803 Physiotherapy 803 Academic organisation: Physiotherapy Period of presentation: Semester 1 Language of tuition: Both Afr and Eng	Credits: 12
PHT 804 Physiotherapy 804 Academic organisation: Physiotherapy Period of presentation: Semester 1 Language of tuition: Both Afr and Eng	Credits: 12
PHT 806 Physiotherapy 806 Academic organisation: Physiotherapy Period of presentation: Semester 1 Language of tuition: Both Afr and Eng	Credits: 12
PHT 807 Physiotherapy 807 Academic organisation: Physiotherapy Period of presentation: Semester 1 Language of tuition: Both Afr and Eng	Credits: 12
PMG 801 Periodontics and oral medicine 801 Academic organisation: Periodontics and Oral Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
PMG 802 Periodontics and oral medicine 802 Academic organisation: Periodontics and Oral Medicine Contact time: 2 dpw 1 spw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
PMG 803 Periodontics and oral medicine 803 Academic organisation: Periodontics and Oral Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
PMG 890 Dissertation: Periodontology and oral medicine 890 Academic organisation: Periodontics and Oral Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24

POK 800 Sport science 800

Academic organisation: Centre for Sport Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

POK 890 Dissertation: Sport science 890

Academic organisation: Centre for Sport Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 240

PRD 801 Prosthodontics 801

Academic organisation: Prosthodontics

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

PRD 802 Prosthodontics 802

Academic organisation: Prosthodontics

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

PRD 803 Prosthodontics 803

Academic organisation: Prosthodontics

Contact time: 1 spw 2 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

PRD 890 Dissertation: Prosthodontics 890

Academic organisation: Prosthodontics

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 240

PRS 800 Practice management 800

Academic organisation: Community Dentistry

Contact time: 2 spw 2 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

PSI 800 Psychiatry 800

Academic organisation: Psychiatry

Contact time: 1 spw

Period of presentation: Year

Language of tuition: English

Credits: 300

PSI 802 Psychiatry 802

Academic organisation: Psychiatry

Period of presentation: Year

Language of tuition: English

Credits: 24

PTK 890 Dissertation: Prosthetics 890

Academic organisation: Prosthodontics

Period of presentation: Year

Language of tuition: English

Credits: 24

QHR 870 Qualitative research methods 870**Academic organisation:** School of Health Systems and Public Health**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**RAD 870 Radiology 870****Academic organisation:** Dental Management Sciences**Contact time:** 1 spw 1 dpw 1 ppw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**RBA 800 Reproductive biology: Andrology 800****Academic organisation:** Urology**Period of presentation:** Year**Language of tuition:** English**Credits:** 1**RBA 890 Dissertation: Reproductive biology: Andrology 890****Academic organisation:** Urology**Period of presentation:** Year**Language of tuition:** English**Credits:** 240**RBG 800 Radiobiology 800****Academic organisation:** Radiation Oncology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**RBG 801 Radiobiology 801****Academic organisation:** Radiation Oncology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36**RBG 890 Dissertation: Radiobiology 890****Academic organisation:** Radiation Oncology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**RBI 800 Reproductive biology 800****Academic organisation:** Obstetrics and Gynaecology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 1**RBI 890 Dissertation: Reproductive biology 890****Academic organisation:** Obstetrics and Gynaecology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 240**RCF 800 Radiobiology, chemistry and pharmacology 800****Academic organisation:** Nuclear Medicine**Contact time:** 2 lpw 1 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36

RDD 800 Radiological diagnostics 800

Academic organisation: Radiology

Contact time: 5 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 300

RON 800 Röntgenology 800

Academic organisation: Dental Management Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

RON 801 Röntgenology 801

Academic organisation: Dental Management Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 180

RON 890 Dissertation: Röntgenology and diagnostics 890

Academic organisation: Dental Management Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 240

RON 895 Essay: Röntgenology 895

Academic organisation: Dental Management Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 120

RSD 890 Dissertation: Diagnostics 890

Academic organisation: Radiographic Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 240

RSZ 890 Dissertation: Radiation therapy 890

Academic organisation: Radiographic Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 240

SAN 880 Sports anatomy 880

Academic organisation: Anatomy

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

SBI 800 Cell biology 800

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

SBI 890 Dissertation: Cell biology 890

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 240

SCM 870 Social determinants of health and primary healthcare 870**Academic organisation:** School of Health Systems and Public Health**Contact time:** 16 x lectures (60 min each); 4 x 180 min discussion classes; 4 x seminars (180 min each); 1 practical (360 min)**Period of presentation:** Year**Language of tuition:** English**Credits:** 5**SCM 873 Quality of life 873****Academic organisation:** School of Health Systems and Public Health**Contact time:** 2 spw 1 ppw 8 lpw 2 dpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 5**SCP 870 Health promotion 870****Academic organisation:** School of Health Systems and Public Health**Contact time:** 16 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**SCP 871 Sexual and reproductive health 871****Academic organisation:** School of Health Systems and Public Health**Contact time:** 16 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**SCP 872 Health promotion in practice 872****Academic organisation:** School of Health Systems and Public Health**Contact time:** 16 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**SGN 800 Sports medicine 800****Academic organisation:** Orthopaedics**Contact time:** 4 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36**SGN 802 Sports medicine 802****Academic organisation:** Orthopaedics**Contact time:** 4 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 36**SGN 890 Dissertation: Sports medicine 890****Academic organisation:** Anatomy**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**SOZ 800 Radiation oncology 800****Academic organisation:** Radiation Oncology**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 300

SOZ 805 Radiation oncology 805

Academic organisation: Radiation Oncology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

SOZ 890 Dissertation: Radiation oncology 890

Academic organisation: Radiation Oncology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 240

TCR 800 Thoracic surgery 800

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 300

TGO 800 Essay: Dental health education 800

Academic organisation: Community Dentistry

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

THW 800 Dissertation: Dental sciences 800

Academic organisation: Dentistry General

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

TMP 801 Applied oral pathology 801

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

TMP 871 Applied oral pathology 871

Academic organisation: Oral Pathology and Oral Biology

Contact time: 1 dpw 1 spw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

TNM 801 Applied research methods 801

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: English

Credits: 24

URO 800 Urology 800

Academic organisation: Urology

Period of presentation: Year

Language of tuition: English

Credits: 300

VGK 808 Advanced women's health 808

Academic organisation: Nursing Science

Contact time: 2 lpw 4 dpw

Period of presentation: Year

Language of tuition: English

Credits: 24

VGK 890 Dissertation: Nursing science 890

Academic organisation: Nursing Science

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 280

VGK 891 Essay 891

Academic organisation: Nursing Science

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

VSG 864 Nutrition care 864

Academic organisation: Human Nutrition

Contact time: 1 dpw 5 web-based periods per week 2 other per week 10 spw

Period of presentation: Semester 1

Language of tuition: English

Credits: 30

WKT 881 Practicals and work assignments 881

Academic organisation: Pharmacology

Contact time: 1 spw 1 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 40

WKT 882 Practicals and work assignments 882

Academic organisation: Pharmacology

Contact time: 1 spw 1 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 40

WKT 883 Practicals and work assignments 883

Academic organisation: Pharmacology

Contact time: 1 spw 1 dpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 40

AGW 990 Thesis: General health sciences 990

Academic organisation: Health Sciences Dean's Office

Period of presentation: Year

Language of tuition: Double medium

Credits: 24

ANA 900 Anatomy 900

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Double medium

Credits: 1

Module content:

A complete synopsis of all anatomy modules at postgraduate level is published in the Study Guide for Postgraduate Anatomy Courses, which is available on request from the Department of Anatomy.

ANA 990 Thesis: Anatomy 990

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

ANE 900 Anaesthesiology 900

Academic organisation: Anaesthesiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

ANE 990 Thesis: Anaesthesiology 991

Academic organisation: Anaesthesiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

ANP 900 Anatomical pathology 900

Academic organisation: Anatomical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

ANP 990 Thesis: Anatomical pathology 990

Academic organisation: Anatomical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

ART 900 Occupational therapy 900

Academic organisation: Occupational Therapy

Period of presentation: Year

Language of tuition: Double medium

Credits: 1

ART 990 Thesis: Occupational therapy 990

Academic organisation: Occupational Therapy

Period of presentation: Year

Language of tuition: Double medium

Credits: 480

CHP 900 Chemical pathology 900

Academic organisation: Chemical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

CHP 990 Thesis: Chemical pathology 990

Academic organisation: Chemical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

CHR 901 Surgery 901

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 24

CHR 902 Surgery 902

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 24

CHR 991 Thesis: Surgery 991

Academic organisation: Surgery

Period of presentation: Year Language of tuition: Double medium	Credits: 24
CHR 992 Thesis: Surgery 992 Academic organisation: Surgery Period of presentation: Year Language of tuition: Double medium	Credits: 24
DEK 900 Examination: Dietetics 900 Academic organisation: Human Nutrition Period of presentation: Year Language of tuition: Double medium	Credits: 1
DEK 990 Thesis: Dietetics 990 Academic organisation: Human Nutrition Period of presentation: Year Language of tuition: Double medium	Credits: 480
DER 900 Dermatology 900 Academic organisation: Family Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
DER 990 Thesis: Dermatology 990 Academic organisation: Family Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
DGR 900 Diagnostic radiology 900 Academic organisation: Radiology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
DGR 990 Thesis: Diagnostic radiology 990 Academic organisation: Radiology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
EPI 900 Epidemiology 900 Academic organisation: Community Health Period of presentation: Year Language of tuition: English	Credits: 1
EPI 990 Thesis: Epidemiology 990 Academic organisation: Community Health Period of presentation: Year Language of tuition: English	Credits: 480
FAR 900 Pharmacology 900 Academic organisation: Pharmacology Period of presentation: Year Language of tuition: Double medium	Credits: 1

FAR 990 Thesis: Pharmacology 990

Academic organisation: Pharmacology

Period of presentation: Year

Language of tuition: Double medium

Credits: 480

FEG 900 Health ethics 900

Academic organisation: Psychiatry

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

FEG 990 Thesis: Health ethics 990

Academic organisation: Psychiatry

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

FTP 900 Physiotherapy 900

Academic organisation: Physiotherapy

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

FTP 990 Thesis: Physiotherapy 990

Academic organisation: Physiotherapy

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

GEG 900 Mental health 900

Academic organisation: Family Medicine

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

GEG 990 Thesis: Mental health 990

Academic organisation: Family Medicine

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

GER 900 Geriatrics 900

Academic organisation: Family Medicine

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

GER 990 Thesis: Geriatrics 990

Academic organisation: Family Medicine

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

GGK 900 Forensic medicine 900

Academic organisation: Forensic Health Sciences

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

GGK 990 Thesis: Forensic medicine

Academic organisation: Forensic Health Sciences

Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
GGC 900 Community health 900 Academic organisation: Community Health Period of presentation: Year Language of tuition: English	Credits: 1
GGC 990 Thesis: Community health 990 Academic organisation: Community Health Period of presentation: Year Language of tuition: English	Credits: 480
GIM 900 Examination: Medical immunology 900 Academic organisation: Immunology Period of presentation: Year Language of tuition: English	Credits: 1
GIM 990 Thesis: Medical immunology 990 Academic organisation: Immunology Period of presentation: Year Language of tuition: English	Credits: 480
GKW 900 Medical nuclear science 900 Academic organisation: Nuclear Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
GKW 990 Thesis: Medical Nuclear Science 990 Academic organisation: Nuclear Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
GMB 900 Medical microbiology 900 Academic organisation: Medical Microbiology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
GMB 990 Thesis: Medical microbiology 990 Academic organisation: Medical Microbiology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
GNF 900 Medical physics 900 Academic organisation: Radiation Oncology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
GNF 990 Thesis: Medical physics 990 Academic organisation: Radiation Oncology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480

GSL 900 Health systems 900

Academic organisation: Community Health

Period of presentation: Year

Language of tuition: English

Credits: 1

GSL 990 Health systems 990

Academic organisation: Community Health

Period of presentation: Year

Language of tuition: English

Credits: 480

GTH 990 Thesis: Community dentistry 990

Academic organisation: Community Dentistry

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

GVR 900 Medical virology 900

Academic organisation: Medical Virology

Period of presentation: Year

Language of tuition: English

Credits: 1

GVR 990 Thesis: Medical virology 990

Academic organisation: Medical Virology

Period of presentation: Year

Language of tuition: English

Credits: 480

HAK 900 Family medicine 900

Academic organisation: Family Medicine

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

HAK 990 Thesis: Family medicine 990

Academic organisation: Family Medicine

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

HEM 900 Haematology 900

Academic organisation: Haematology

Period of presentation: Year

Language of tuition: Double medium

Credits: 1

HEM 990 Thesis: Haematology 990

Academic organisation: Haematology

Period of presentation: Year

Language of tuition: Double medium

Credits: 480

HTH 900 Restorative dentistry 900

Academic organisation: Odontology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

HTH 990 Thesis: Restorative dentistry 990

Academic organisation: Odontology

Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
IGK 900 Internal medicine 900 Academic organisation: Family Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
IGK 990 Thesis: Internal medicine 990 Academic organisation: Family Medicine Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
KGE 900 Paediatrics 900 Academic organisation: Paediatrics Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
KGE 990 Thesis: Paediatrics 990 Academic organisation: Paediatrics Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
KGM 900 Maxillo-facial and oral surgery 900 Academic organisation: Maxillo-Facial and Oral Surgery Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
KGM 990 Thesis: Maxillo-facial and oral surgery 990 Academic organisation: Maxillo-Facial and Oral Surgery Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
LRG 900 Aerospace medicine 900 Academic organisation: Aerospace Medicine Period of presentation: Year Language of tuition: English	Credits: 24
LRG 990 Aerospace medicine 990 Academic organisation: Aerospace Medicine Period of presentation: Year Language of tuition: English	Credits: 24
MDN 900 Medical oncology 900 Academic organisation: Medical Oncology Period of presentation: Year Language of tuition: Double medium	Credits: 1
MDN 990 Thesis: Medical oncology 990 Academic organisation: Medical Oncology Period of presentation: Year Language of tuition: Double medium	Credits: 480

MFG 900 Human physiology 900

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

MFG 990 Thesis: Human physiology 990

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Double medium

Credits: 480

MGN 900 Human genetics 900

Academic organisation: Human Genetics and Developmental Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

MGN 990 Thesis: Human genetics 990

Academic organisation: Human Genetics and Developmental Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

MPB 900 Oral pathology and oral biology 900

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MPB 990 Thesis: Oral pathology and oral biology 990

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MPG 991 Oral pathology 991

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

NCR 900 Neurosurgery 900

Academic organisation: Neurosurgery

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

NCR 990 Thesis: Neurosurgery 990

Academic organisation: Neurosurgery

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

NRE 900 Neurology 900

Academic organisation: Neurology

Period of presentation: Year

Language of tuition: English

Credits: 1

NRE 990 Thesis: Neurology 990

Academic organisation: Neurology

Period of presentation: Year Language of tuition: English	Credits: 480
OEG 900 Obstetrics and gynaecology 900 Academic organisation: Obstetrics and Gynaecology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
OEG 990 Thesis: Obstetrics and gynaecology 990 Academic organisation: Obstetrics and Gynaecology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
OGD 900 Public health 900 Academic organisation: Community Health Period of presentation: Year Language of tuition: English	Credits: 1
OGD 990 Public health 990 Academic organisation: Community Health Period of presentation: Year Language of tuition: English	Credits: 480
OGH 900 Environmental health 900 Academic organisation: Community Health Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
OGH 990 Thesis: Environmental health 990 Academic organisation: Community Health Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
OHK 900 Ophthalmology 900 Academic organisation: Ophthalmology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
OHK 990 Thesis: Ophthalmology 990 Academic organisation: Ophthalmology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
ONK 900 Otorhinolaryngology 900 Academic organisation: Otorhinolaryngology Period of presentation: Year Language of tuition: Double medium	Credits: 1
ONK 990 Thesis: Otorhinolaryngology 990 Academic organisation: Otorhinolaryngology Period of presentation: Year Language of tuition: Double medium	Credits: 480

ORD 900 Orthodontics 900

Academic organisation: Orthodontics

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

ORD 990 Thesis: Orthodontics 990

Academic organisation: Orthodontics

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

ORT 900 Orthopaedics 900

Academic organisation: Orthopaedics

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

ORT 990 Thesis: Orthopaedics 990

Academic organisation: Orthopaedics

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

PAG 900 Pathology 900

Academic organisation: Anatomical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 1

PAG 990 Thesis: Pathology 990

Academic organisation: Anatomical Pathology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 480

PCR 900 Plastic and reconstructive surgery 900

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 1

PCR 990 Thesis: Plastic and reconstructive surgery 990

Academic organisation: Surgery

Period of presentation: Year

Language of tuition: Double medium

Credits: 480

PMG 900 Periodontics and oral medicine 900

Academic organisation: Periodontics and Oral Medicine

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

PMG 990 Thesis: Periodontology and oral medicine 990

Academic organisation: Periodontics and Oral Medicine

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

POK 900 Sport science 900

Academic organisation: Centre for Sport Sciences

Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
POK 990 Thesis: Sport science 990 Academic organisation: Centre for Sport Sciences Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
PSI 900 Psychiatry 900 Academic organisation: Psychiatry Period of presentation: Year Language of tuition: English	Credits: 1
PSI 990 Thesis: Psychiatry 990 Academic organisation: Psychiatry Period of presentation: Year Language of tuition: English	Credits: 480
PTN 900 Prosthetics and dental mechanics 900 Academic organisation: Prosthodontics Period of presentation: Year Language of tuition: English	Credits: 24
PTN 990 Thesis: Prosthetics and dental mechanics 990 Academic organisation: Prosthodontics Period of presentation: Year Language of tuition: English	Credits: 24
RAD 900 Radiography 900 Academic organisation: Radiographic Sciences Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
RAD 990 Thesis: Radiography 990 Academic organisation: Radiographic Sciences Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
RBA 900 Reproductive biology: Andrology 900 Academic organisation: Urology Period of presentation: Year Language of tuition: English	Credits: 1
RBA 990 Thesis: Reproductive biology: Andrology 990 Academic organisation: Urology Period of presentation: Year Language of tuition: English	Credits: 480
RBI 900 Reproductive biology 900 Academic organisation: Obstetrics and Gynaecology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1

RBI 990 Thesis: Reproductive biology 990 Academic organisation: Obstetrics and Gynaecology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
RDT 900 Radiological therapy 900 Academic organisation: Radiation Oncology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
RDT 990 Thesis: Radiological therapy 990 Academic organisation: Radiation Oncology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
RGT 801 Radiation therapy 801 Academic organisation: Radiographic Sciences Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
RON 990 Röntgenology 990 Academic organisation: Dental Management Sciences Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
SGN 894 Essay: Sports medicine (Preliminary work) 894 Academic organisation: Orthopaedics Period of presentation: Year Language of tuition: Double medium	Credits: 36
SGN 895 Essay: Sports medicine 895 Academic organisation: Orthopaedics Period of presentation: Year Language of tuition: Double medium	Credits: 72
SGN 900 Sports medicine 900 Academic organisation: Anatomy Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
SGN 990 Thesis: Sports medicine 990 Academic organisation: Anatomy Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
SOZ 900 Radiation oncology 900 Academic organisation: Radiation Oncology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
SOZ 990 Thesis: Radiation oncology 990 Academic organisation: Radiation Oncology	

Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
TCR 900 Thoracic surgery 900 Academic organisation: Surgery Period of presentation: Year Language of tuition: Double medium	Credits: 1
TCR 990 Thesis: Thoracic surgery 990 Academic organisation: Surgery Period of presentation: Year Language of tuition: Double medium	Credits: 480
THW 990 Thesis: Dental sciences 990 Academic organisation: Dentistry General Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
URO 900 Urology 900 Academic organisation: Urology Period of presentation: Year Language of tuition: English	Credits: 1
URO 990 Thesis: Urology 990 Academic organisation: Urology Period of presentation: Year Language of tuition: English	Credits: 480
VGK 900 Nursing science 900 Academic organisation: Nursing Science Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 1
VGK 990 Thesis: Nursing science 990 Academic organisation: Nursing Science Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 480
AAN 701 Anatomy 701 Academic organisation: Anatomy Contact time: 1 ppw 1 dpw 3 lpw Period of presentation: Year Language of tuition: Double medium	Credits: 10
Module content: A complete synopsis of all anatomy modules at postgraduate level published in the Study Guide for Postgraduate Anatomy Courses is available on request from the Department of Anatomy.	
ADB 700 Administration and management 700 Academic organisation: Community Dentistry Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24

ADM 701 Advanced clinical management in hand therapy 701

Academic organisation: Occupational Therapy

Period of presentation: Year

Language of tuition: Double medium

Credits: 50

Module content:

Advanced study of hand injuries and conditions and their management. The design and application of treatment programmes in clinical practice. Study and application of evaluation methods and instruments

ADX 700 Aesthetic dentistry 700

Academic organisation: Odontology

Period of presentation: Year

Language of tuition: Double medium

Credits: 24

AHM 771 Assignment in health systems management 771

Academic organisation: School of Health Systems and Public Health

Contact time: 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 30

ANA 870 Anatomy 870

Academic organisation: Anatomy

Period of presentation: Year

Language of tuition: Double medium

Credits: 36

AOH 770 Assignment in occupational health 770

Academic organisation: Community Health

Period of presentation: Semester 1

Language of tuition: English

Credits: 30

BEX 701 Biomechanics and ergonomics 701

Academic organisation: Occupational Therapy

Contact time: 14 lpw 1 ppw

Period of presentation: Year

Language of tuition: Double medium

Credits: 10

Module content:

Biomechanics of the upper limb and disturbance thereof; the biomechanics of splints. Environmental factors for effective posture and handgrip; relationship between man and environment; disturbance of this relationship.

BFP 700 Industrial physiology and pathology 700

Academic organisation: Physiology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

BMC 701 Hand biomechanics and ergonomics 701

Academic organisation: Occupational Therapy

Period of presentation: Quarter 2

Language of tuition: Double medium

Credits: 30

BRH 700 Vocational rehabilitation 700

Academic organisation: Occupational Therapy

Contact time: 2 spw 4 lpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 30

Module content:

Continued training in the vocational rehabilitation process applied to various diagnostic groups.

CBA 710 Anatomical and surgical principles 710

Academic organisation: Maxillo-Facial and Oral Surgery

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

CBR 700 Maxillo-facial radiology and surgical principles 700

Academic organisation: Dental Management Sciences

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: English

Credits: 80

CDC 770 Introduction to disease prevention and control 770

Academic organisation: Community Health

Contact time: 1 ppw 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 12

CDC 771 Principles: Communicable disease control 771

Academic organisation: Community Health

Contact time: 1 ppw 1 dpw 1 lpw 1 spw 1 other per week

Period of presentation: Year

Language of tuition: English

Credits: 10

CDC 772 Seminars in tropical health 1 772

Academic organisation: Community Health

Contact time: 1 other per week 1 spw 1 dpw 1 lpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 10

CDC 773 Seminars in tropical health 2 773

Academic organisation: Community Health

Contact time: 1 ppw 1 dpw 1 spw 1 lpw 1 other per week

Period of presentation: Year

Language of tuition: English

Credits: 10

CDC 774 Seminars in tropical health (Host) 774

Academic organisation: Community Health

Contact time: 1 ppw 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

CDC 870 Introduction to disease control 870

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 5

CDS 770 Clinical tropical medicine 770

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 5

CLI 770 Principles in clinical epidemiology 770

Academic organisation: School of Health Systems and Public Health

Contact time: 16 lpw

Period of presentation: Semester 1

Language of tuition: English

Credits: 5

CLI 771 Evidence-based medicine and critical appraisal of medical literature 771

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 16 lpw

Period of presentation: Quarter 3

Language of tuition: English

Credits: 10

CLI 871 Evidence-based medicine and critical appraisal of medical literature 871

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 12

DBG 795 Essay 795

Academic organisation: Community Health

Period of presentation: Year

Language of tuition: English

Credits: 24

DCD 701 Normal development 701

Academic organisation: Occupational Therapy

Contact time: 10 ppw 5 dpw 15 lpw

Period of presentation: Quarter 1

Language of tuition: Double medium

Credits: 20

Module content:

Sensory development. Motor development. Cognitive/perceptual development. Communication development. Socio-emotional development.

DCD 702 Identification 702

Academic organisation: Occupational Therapy

Contact time: 5 spw 5 dpw 15 lpw 10 ppw

Period of presentation: Quarter 2

Language of tuition: Double medium

Credits: 30

Module content:

Early identification and the clinical picture of developmental delay of the somato-sensory system. Early identification and the clinical picture of developmental delay of the motor system. Early identification and the clinical picture of developmental delay of the visual system including pre-perceptual and perceptual skills.

DCD 703 Intervention for developmental delay 703

Academic organisation: Occupational Therapy

Contact time: 5 dpw 5 spw 15 lpw 10 ppw

Period of presentation: Quarter 3

Language of tuition: Double medium

Credits: 35

Module content:

Intervention strategies within the school setting. Adaptation of activity programmes. Facilitation of social interaction.

DCD 704 Intervention for disabilities 704

Academic organisation: Occupational Therapy

Contact time: 15 lpw 5 dpw 10 ppw 5 spw

Period of presentation: Quarter 4

Language of tuition: Double medium

Credits: 35

Module content:

Handling techniques for the child with severe disabilities. Positioning for functioning. Environmental adaptations. Play as intervention medium. Integration into main stream schools.

DEG 770 Principles of demography 770

Academic organisation: Community Health

Contact time: 1 spw 1 ppw 1 dpw 1 lpw 1 other per week

Period of presentation: Year

Language of tuition: English

Credits: 10

EHM 770 Basis in environmental health 770

Academic organisation: Community Health

Contact time: 1 other per week 1 lpw 1 spw 1 dpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 5

EHM 771 Health risk assessment 771

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

EHM 871 Health risk assessment 871

Academic organisation: School of Health Systems and Public Health

Period of presentation: Year

Language of tuition: English

Credits: 10

END 700 Endodontics 700

Academic organisation: Odontology

Contact time: 1 dpw 1 spw 5 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 100

EOH 770 Introduction to environmental and occupational health 770

Academic organisation: Community Health

Contact time: 1 ppw 1 other per week 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

EOM 870 Environmental epidemiology 870

Academic organisation: School of Health Systems and Public Health

Contact time: 16 lpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 10

FEM 780 Emergency medicine 780

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Study of airway; airway ventilation breathing; circulation; disorientation and evaluation.

FFM 780 Family-oriented patient care 780

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Study of the family as the object of care; family systems theory; tools for family-oriented care; family life-cycle; ethics of treating families; family conference; the family and chronic illness; family violence and alcohol abuse in the family.

FIA 702 Financial administration 702

Academic organisation: Occupational Therapy

Contact time: 4 dpw 2 lpw 1 spw

Period of presentation: Year

Language of tuition: Double medium

Credits: 30

Module content:

Financial statements; budget; decision-making; behaviour of costs; cost-volume relation; allocation of costs; manufacturing costs, process of costs; activity costs; overhead costs; business planning.

FIP 701 Physiology and pathophysiology 701

Academic organisation: Physiology

Contact time: 1 dpw 1 ppw 3 lpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Physiology of the integration of hand function; brain plasticity, pain. Regeneration of skin, bone, muscle and nerve tissue; infection; inflammation.

FMA 781 Clinically applied anatomy 781

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Study of the upper limb, including the breast; head and neck; thorax; abdomen; pelvis; lower limb; embryology and histology.

FMA 782 Clinically applied anatomy 782

Academic organisation: Family Medicine

Contact time: 1 spw

Period of presentation: Semester 1
Language of tuition: Both Afr and Eng

Credits: 10

FMD 781 Chronic diseases 781

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Study of diabetes mellitus, asthma, epilepsy, hypertension, cardiac failure, obesity and chronic pain.

FMF 781 Psychiatry 781

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Psychiatry in family practice

Study of depression, anxiety; suicide; the difficult adolescent; substance use and abuse; schizophrenia; dementia and delirium.

FMG 781 Geriatric medicine 781

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Study of theories of ageing; physiology of ageing; demography; presentation of disease in the aged; cardiovascular system; conditions of the joints; respiratory system; central and peripheral nervous system; digestive tract; urinary tract; endocrine system; haematology; skin and sense organs; psycho-geriatrics; falls in the elderly; infections; cancer; terminal care; nutrition; rehabilitation; drugs and preventive geriatrics.

FMI 781 Infectious diseases 781

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Introduction; study of contagious disease important to the traveller; contagious diseases in the tropical regions; viral illnesses in children; fever of unknown origin; sexually transmitted diseases; haemorrhagic fever; infective diarrhoea; meningitis; leprosy; HIV/Aids; tuberculosis; rabies; school attendance and infectious diseases; community-acquired pneumonia (GVP); acute virus hepatitis; rational use of antibiotics and other exogenous infections.

FMP 781 Physiology 781

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 10

Module content:

Study of the nervous system; muscle physiology (skeletal, smooth and heart muscle); endocrine physiology; physiology of reproduction (age-related); cardiovascular physiology; thermoregulation; nutrition and digestion; acid-base balance; kidney, salt and water balance; blood and respiration.

FMS 781 Sports medicine 781

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

An approach to sports injuries: concepts of training and fitness; energy systems and transfer of energy, nutrition, health and training; special investigations; injury; strapping and wrapping; stress fractures; examination and clinical conditions of different areas, upper limb, lower limb, pelvis; trunk and head: special considerations of age and gender – the child, the female athlete and the elderly exerciser; exercising under certain conditions – heat, cold, underwater altitude and time zones; sport and medical conditions – diabetes mellitus; HIV/Aids; drugs, alcohol; the tired athlete; concussion/boxing; exercise induced headache and medical coverage of sports events.

FMU 781 Rheumatology 781

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Study of rheumatoid arthritis; osteoarthritis; gout; ceronegative spondilo-arthropathy; collagen diseases; lower back pain; fibromyalgia and osteoporosis.

FMX 780 Practice management 780

Academic organisation: Family Medicine

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Study of human resource management; financial management; auditing of management and services management.

FOT 700 Forensic odontology 700

Academic organisation: Oral Pathology and Oral Biology

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 100

GRA 701 Groups in occupational therapy 701

Academic organisation: Occupational Therapy

Contact time: 3 ppw 1 dpw 2 lpw 1 spw

Period of presentation: Year

Language of tuition: Double medium

Credits: 30

Module content:

Emphasis will be placed on role-playing and groups in learning employment acquisition behaviour.

GRT 700 Group techniques 700

Academic organisation: Occupational Therapy

Contact time: 5 ppw 8 spw

Period of presentation: Year

Language of tuition: Double medium

Credits: 60

Module content:

The group process. Group leadership. Problem clients and intervention strategies. Group activities with clients on different levels of motivation and action.

GTH 700 Community dentistry 700**Academic organisation:** Community Dentistry**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**HAK 780 Philosophy and principles of family medicine 780****Academic organisation:** Family Medicine**Period of presentation:** Semester 1 or Semester 2**Language of tuition:** Both Afr and Eng**Credits:** 20**HCE 770 Introduction to health economics 770****Academic organisation:** School of Health Systems and Public Health**Period of presentation:** Semester 1**Language of tuition:** English**Credits:** 10**HCF 770 Financial management in public health 770****Academic organisation:** Community Health**Contact time:** 1 dpw 1 spw 1 other per week 1 ppw 1 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**HCF 870 Financial management in public health 870****Academic organisation:** School of Health Systems and Public Health**Contact time:** 1 spw 1 dpw 1 lpw 1 ppw 1 other per week**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**HCI 770 Health systems operations management 770****Academic organisation:** Community Health**Contact time:** 16 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**HCI 870 Health systems operations management 870****Academic organisation:** School of Health Systems and Public Health**Contact time:** 1 ppw 1 lpw 1 dpw 1 other per week 1 spw**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**HCL 770 Legislation and health 770****Academic organisation:** Community Health**Contact time:** 1 ppw 1 other per week 1 spw 1 dpw 1 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**HCL 771 Occupational health law 771****Academic organisation:** Community Health**Contact time:** 1 ppw 16 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 10

HCL 870 Legislation and health 870

Academic organisation: School of Health Systems and Public Health

Contact time: 1 other per week 1 spw 1 ppw 1 lpw 1 dpw

Period of presentation: Year

Language of tuition: English

Credits: 10

HCM 772 Health policy and systems 772

Academic organisation: Community Health

Contact time: 4 other per week

Period of presentation: Year

Language of tuition: English

Credits: 10

HCM 773 Managing occupational health services 773

Academic organisation: Community Health

Contact time: 16 lpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 10

HCS 770 Project management in health 770

Academic organisation: Community Health

Contact time: 1 dpw 1 lpw 1 spw 1 other per week 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 10

HCS 870 Project management in health 870

Academic organisation: School of Health Systems and Public Health

Contact time: 1 lpw 1 ppw 1 spw 1 dpw 1 other per week

Period of presentation: Year

Language of tuition: English

Credits: 10

HIN 770 Introduction to health informatics 770

Academic organisation: Community Health

Period of presentation: Year

Language of tuition: English

Credits: 10

HIN 870 Introduction to health informatics 870

Academic organisation: School of Health Systems and Public Health

Period of presentation: Year

Language of tuition: English

Credits: 10

HME 772 Primary epidemiology 772

Academic organisation: Community Health

Contact time: 1 other per week 8 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

HRM 770 Principles of human resource management 770

Academic organisation: Community Health

Contact time: 16 lpw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 10

HRM 870 Principles of human resource management 870

Academic organisation: Community Health

Contact time: 1 ppw 16 lpw

Period of presentation: Year

Language of tuition: English

Credits: 10

HTH 700 Restorative dentistry 700

Academic organisation: Odontology

Contact time: 1 spw 1 dpw 5 ppw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

ICX 870 Integrative case study (1) 870

Academic organisation: School of Health Systems and Public Health

Contact time: 3 dpw 1 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 5

ICX 873 Integrative case study (4) 873

Academic organisation: School of Health Systems and Public Health

Contact time: 1 ppw 3 dpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 5

IKX 700 Interpersonal communication 700

Academic organisation: Occupational Therapy

Contact time: 4 dpw 6 spw 4 ppw

Period of presentation: Year

Language of tuition: Double medium

Credits: 60

Module content:

The interpersonal process. Factors influencing communication. Intervention strategies. Pathology factors which influence the communication process.

KVH 701 Clinical skills in hand therapy 701

Academic organisation: Occupational Therapy

Contact time: 12 ppw

Period of presentation: Year

Language of tuition: Double medium

Credits: 40

Module content:

Study and application of:

Evaluation methods and instruments for hand and upper limb injuries

Current techniques in hand therapy.

MCH 700 Oral surgery 700

Academic organisation: Maxillo-Facial and Oral Surgery

Contact time: 1 dpw

Period of presentation: Year

Language of tuition: Both Afr and Eng

Credits: 24

MDB 710 Applied oral biology 710

Academic organisation: Oral Pathology and Oral Biology

Contact time: 1 dpw

Period of presentation: Semester 1 Language of tuition: Both Afr and Eng	Credits: 12
MGK 700 Oral medicine 700 Academic organisation: Periodontics and Oral Medicine Contact time: 4 dpw 4 ppw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
MPG 700 Oral pathology 700 Academic organisation: Oral Pathology and Oral Biology Contact time: 1 dpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 88
OCM 770 Principles of occupational medicine 770 Academic organisation: Community Health Contact time: 16 lpw 1 ppw Period of presentation: Year Language of tuition: English	Credits: 10
OCM 771 Clinical skills in occupational medicine 771 Academic organisation: School of Health Systems and Public Health Contact time: 16 lpw Period of presentation: Year Language of tuition: English Module content: *Attendance module only	Credits: 5
OHT 770 Principles of occupational hygiene and toxicology 770 Academic organisation: School of Health Systems and Public Health Contact time: 16 lpw 1 ppw Period of presentation: Year Language of tuition: English	Credits: 10
ORD 700 Orthodontics 700 Academic organisation: Orthodontics Contact time: 10 dpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 100
PDD 700 Pedodontics 700 Academic organisation: Odontology Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24
PDL 700 Periodontology 700 Academic organisation: Periodontics and Oral Medicine Contact time: 20 ppw 4 dpw Period of presentation: Year Language of tuition: Both Afr and Eng	Credits: 24

PHM 770 Learning in public health 770**Academic organisation:** Community Health**Contact time:** 1 spw 1 other per week 1 ppw 1 dpw 1 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 5**PHM 771 Diploma examination: Occupational health (Part 1) 771****Academic organisation:** School of Health Systems and Public Health**Period of presentation:** Year**Language of tuition:** English**Credits:** 0**PHM 772 Diploma examination: Occupational health (Part 2) 772****Academic organisation:** School of Health Systems and Public Health**Period of presentation:** Year**Language of tuition:** English**Credits:** 0**PRS 700 Practice management 700****Academic organisation:** Community Dentistry**Contact time:** 1 spw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**PTK 700 Prosthetics 700****Academic organisation:** Prosthodontics**Contact time:** 1 dpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 24**SCM 770 Society and health 770****Academic organisation:** School of Health Systems and Public Health**Contact time:** 1 ppw 16 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 5**SCM 771 Human resource management and industrial sociology 771****Academic organisation:** Community Health**Contact time:** 1 other per week 1 dpw 1 spw 1 ppw 1 lpw**Period of presentation:** Year**Language of tuition:** English**Credits:** 10**THM 700 Dental materials 700****Academic organisation:** Odontology**Contact time:** 2 spw 5 dpw**Period of presentation:** Year**Language of tuition:** Both Afr and Eng**Credits:** 24**THM 710 Dental materials 710****Academic organisation:** Odontology**Contact time:** 1 spw 10 lpw 5 dpw**Period of presentation:** Semester 1**Language of tuition:** Double medium**Credits:** 12

TIN 710 Dental informatics 710

Academic organisation: Community Dentistry

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

TQM 770 Principles of quality assurance 770

Academic organisation: Community Health

Contact time: 1 other per week 1 spw 1 lpw 1 ppw 1 dpw

Period of presentation: Year

Language of tuition: English

Credits: 10

TQM 870 Principles of quality assurance 870

Academic organisation: School of Health Systems and Public Health

Contact time: 1 dpw 1 lpw 1 other per week 1 spw 1 ppw

Period of presentation: Year

Language of tuition: English

Credits: 12

ULT 710 Applied ultrasound imaging of the body 710

Academic organisation: Radiology

Contact time: 2 web-based periods per week

Period of presentation: Semester 1

Language of tuition: English

Credits: 4

ULT 711 Applied ultrasound physics 711

Academic organisation: Radiology

Contact time: 2 web-based periods per week

Period of presentation: Semester 1

Language of tuition: English

Credits: 2

ULT 712 Applied ultrasound pathology 712

Academic organisation: Radiology

Contact time: 2 web-based periods per week

Period of presentation: Semester 1

Language of tuition: English

Credits: 4

ULT 713 Basic abdominal ultrasound 713

Academic organisation: Radiology

Contact time: 20 ppw 2 web-based periods per week

Period of presentation: Semester 1

Language of tuition: English

Credits: 10

ULT 720 Basic pelvic ultrasound 720

Academic organisation: Radiology

Contact time: 20 ppw 2 web-based periods per week

Period of presentation: Semester 2

Language of tuition: English

Credits: 14

ULT 721 Ultrasound of small body parts 721

Academic organisation: Radiology

Contact time: 10 ppw 2 web-based periods per week

Period of presentation: Semester 2

Language of tuition: English

Credits: 14

ULT 722 Elective module: Cardiac ultrasound 722

Academic organisation: Radiology
Contact time: 10 ppw 1 web-based period per week
Period of presentation: Semester 2
Language of tuition: English

Credits: 12

ULT 723 Elective module: Obstetrics ultrasound 723

Academic organisation: Radiology
Contact time: 1 web-based period per week 10 ppw
Period of presentation: Semester 2
Language of tuition: English

Credits: 12

ULT 724 Elective module: General ultrasound 724

Academic organisation: Radiology
Contact time: 1 web-based period per week 10 ppw
Period of presentation: Semester 2
Language of tuition: English

Credits: 12

ULT 725 Elective module: Vascular ultrasound 725

Academic organisation: Radiology
Contact time: 10 ppw 1 web-based period per week
Period of presentation: Semester 2
Language of tuition: English

Credits: 12

ULT 730 Abdominal ultrasound 730

Academic organisation: Radiology
Contact time: 2 web-based periods per week 40 ppw
Period of presentation: Semester 1
Language of tuition: English

Credits: 14

ULT 731 Obstetric ultrasound 731

Academic organisation: Radiology
Contact time: 1 web-based period per week 10 ppw
Period of presentation: Semester 1
Language of tuition: English

Credits: 14

ULT 732 Elective module: Cardiac ultrasound 732

Academic organisation: Radiology
Contact time: 1 web-based period per week 10 ppw
Period of presentation: Semester 1
Language of tuition: English

Credits: 12

ULT 733 Elective module: Obstetrics ultrasound 733

Academic organisation: Radiology
Contact time: 1 web-based period per week 10 ppw
Period of presentation: Semester 1
Language of tuition: English

Credits: 12

ULT 734 Elective module: General ultrasound 734

Academic organisation: Radiology
Contact time: 1 web-based period per week 10 ppw
Period of presentation: Semester 1
Language of tuition: English

Credits: 12

ULT 735 Elective module: Vascular ultrasound 735

Academic organisation: Radiology

Contact time: 1 web-based period per week 10 ppw

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

ULT 740 Elective module: Pelvic ultrasound 740

Academic organisation: Radiology

Contact time: 1 web-based period per week 10 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

ULT 742 Elective module: Cardiac ultrasound 742

Academic organisation: Radiology

Contact time: 1 web-based period per week 10 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

ULT 743 Elective module: Obstetrics ultrasound 743

Academic organisation: Radiology

Contact time: 1 web-based period per week 10 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

ULT 744 Elective module: General ultrasound 744

Academic organisation: Radiology

Contact time: 1 web-based period per week 10 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

ULT 745 Elective module: Vascular ultrasound 745

Academic organisation: Radiology

Contact time: 1 web-based period per week 10 ppw

Period of presentation: Semester 2

Language of tuition: English

Credits: 12

ULT 750 Final written examination 750

Academic organisation: Radiology

Period of presentation: Semester 2

Language of tuition: English

Credits: 0

Module content:

A portfolio of the continuous written assessments completed during each module for the PGDipGUS.

ULT 751 Practical examination 751

Academic organisation: Radiology

Period of presentation: Semester 2

Language of tuition: English

Credits: 0

VTH 700 Preventive dentistry 700

Academic organisation: Community Dentistry

Contact time: 1 dpw 1 spw

Period of presentation: Year
Language of tuition: Both Afr and Eng

Credits: 24

WSD 701 Work study 701

Academic organisation: Occupational Therapy

Contact time: 2 lpw 2 ppw 1 spw 2 dpw

Period of presentation: Year

Language of tuition: Double medium

Credits: 30



Lists of service modules offered by other faculties

= Concurrent registration
() = Examination admission
dpw = discussions per week
GS = combined (final) mark (semester/year mark plus examination mark) of at least 40% - 49%
hpw = hours per week
LP = Lecturer's permission
lpw = lectures per week
ppw = practicals per week
spw = seminars per week
TDH = Permission by head of department
tpw = tutorials per week

**Alphabetical list of modules offered by the
Faculty of Natural and Agricultural Sciences**

AGV 413 Communication for sustainable rural development 413

Academic organisation: Agricultural Economics, Extension and Rural Devel

Prerequisite: Health Sciences students: second year status

Contact time: 2 lpw

Period of presentation: Year

Language of tuition: English

Credits: 20

Module content:

Introduction to the communication process and its importance for sustainable development; the models of communication; critical elements and factors in communication; communication and perception. Use of non-verbal communication. Persuasion and credibility. Messages and message treatment; audience and audience identification; channels and methods of communication. Effective listening and feedback. Practical training in communication: Effective speaking; visual aids in communication; managing conflict; report writing. Introduction to Appreciative Inquiry as a communication approach.

BCM 253 Introduction to proteins and enzymes 253

Academic organisation: Biochemistry

Prerequisite: Natural and Agricultural Sciences students: BCM 254 #, CMY 117 GS, CMY 127 GS and MLB 111 GS; Health Sciences students: MLB 111 GS

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 9

Module content:

Structural and ionic properties of amino acids. Peptides, the peptide bond, primary, secondary, tertiary and quaternary structure of proteins. Interactions that stabilise protein structure, denaturation and renaturation of proteins. Introduction to methods for the purification of proteins, amino acid composition, and sequence determinations. Introduction to enzyme kinetics and enzyme inhibition. Allosteric enzymes, regulation of enzyme activity, active centres and mechanisms of enzyme catalysis. Examples of industrial applications of enzymes.

BCM 254 Practical: Introduction to proteins and enzymes 254

Academic organisation: Biochemistry

Prerequisite: Natural and Agricultural Sciences students: BCM 253 #, CMY 117 GS, CMY 127 GS and MLB 111 GS; Health Sciences students: CMY 117 GS and CMY 127 GS

Contact time: 0.5 ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 3

Module content:

Laboratory techniques and Good laboratory practice. Techniques for the quantitative and qualitative analysis of biological molecules. Processing and presentation of scientific data.

BCM 255 Carbohydrate metabolism 255

Academic organisation: Biochemistry

Prerequisite: Natural and Agricultural Sciences students: BCM 256 #, CMY 117 GS, CMY 127 GS and MLB 111 GS; Health Sciences students: MLB 111

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 9

Module content:

Biochemistry of carbohydrates. Thermodynamics and bioenergetics. Glycolysis, citric acid cycle and electron transport. Glycogen metabolism, pentose-phosphate pathway, gluconeogenesis and photosynthesis.

BCM 256 Practical: Carbohydrate metabolism 256

Academic organisation: Biochemistry

Prerequisite: Natural and Agricultural Sciences students: BCM 255 #, CMY 117 GS, CMY 127 GS and MLB 111 GS

Health Sciences students: CMY 117 GS and CMY 127 GS

Contact time: 0.5ppw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 3

Module content:

Study and analysis of metabolic pathways and enzymes. Scientific method and design: hypothesis design and testing, method design and scientific controls.

BCM 263 Lipid and nitrogen metabolism 263

Academic organisation: Biochemistry

Prerequisite: Natural and Agricultural Sciences students: BCM 264 #, CMY 117 GS, CMY 127 GS and MLB 111 GS; Health Sciences students: BCM 253 GS, BCM 254 GS, BCM 255 GS and BCM 256 GS

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 9

Module content:

Biochemistry of lipids, membrane structure, anabolism and catabolism of lipids. Nitrogen metabolism, amino acid biosynthesis and catabolism. Biosynthesis of neurotransmitters, pigments, hormones and nucleotides from amino acids. Catabolism of purines and pyrimidines. Therapeutic agents directed against nucleotide metabolism. Examples of in-born errors of metabolism of nitrogen containing compounds. The urea cycle, nitrogen excretion.

BCM 264 Practical: Lipid and nitrogen metabolism 264

Academic organisation: Biochemistry

Prerequisite: Natural and Agricultural Sciences students: BCM 263 #, CMY 117 GS, CMY 127 GS and MLB 111 GS

Health Sciences students: BCM 253 GS, BCM 254 GS, BCM 255 GS and BCM 256 GS

Contact time: 0.5ppw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 3

Module content:

Scientific writing skills: evaluation of a scientific report. Techniques for separation and analysis of biological molecules.

BCM 265 Biochemistry in perspective 265

Academic organisation: Biochemistry

Prerequisite: Natural and Agricultural Sciences students: BCM 266 #, CMY 117 GS, CMY 127 GS and MLB 111 GS; Health Sciences students: BCM 253 GS, BCM 254 GS, BCM 255 GS and BCM 256 GS

Contact time: 2 lpw

Period of presentation: Semester 2

Language of tuition: Double medium

Credits: 9

Module content:

Integration of metabolic pathways; biochemistry of nutrition and xenobiochemistry; hormones and second messengers; hormonal control in metabolism, a case study in connectivity among metabolic pathways, nutrition, regulation and the immune system.

BCM 266 Practical: Biochemistry in perspective 266

Academic organisation: Biochemistry

Prerequisite: Natural and Agricultural Sciences students: BCM 265 #, CMY 117 GS, CMY 127 GS and MLB 111 GS; Health Sciences students: BCM 253 GS, BCM 254 GS, BCM 255 GS and BCM 256 GS

Contact time: 0.5 ppw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 3

Module content:

Study of structure-function relationships and biological activity. Critical evaluation of results and identification of patterns or tendencies in observations.

CMY 117 General chemistry 117

Academic organisation: Chemistry

Prerequisite: Refer to Regulation 1.2

Contact time: 1 ppw 4 lpw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 16

Module content:

Theory: General introduction to inorganic and analytical chemistry. Nomenclature of inorganic ions and compounds, stoichiometric calculations concerning chemical reactions, redox reactions, solubilities, atomic structure, periodicity. Inorganic and physical chemistry. Molecular structure and chemical bonding using the VSEPR models. Chemical equilibrium, acids and bases, buffers, precipitation.

CMY 127 General chemistry 127**Academic organisation:** Chemistry**Prerequisite:** Natural and Agricultural Sciences students: CMY 117 GS

Health Sciences students: none

Contact time: 1 ppw 4 lpw**Period of presentation:** Semester 2**Language of tuition:** Double medium**Credits:** 16**Module content:**

Theory: General physical-analytical chemistry: Physical behaviour of gases, liquids and solids, intermolecular forces, solutions: Organic chemistry: Structure (bonding), nomenclature, isomerism, introductory stereochemistry, introduction to chemical reactions and chemical properties of organic compounds and biological compounds, i.e. carbohydrates, lipids and aminoacids. Practical: Molecular structure (model building), synthesis and properties of simple organic compounds.

CMY 151 Chemistry 151**Academic organisation:** Chemistry**Prerequisite:** Refer to Regulation 1.2**Contact time:** 1 ppw 4 lpw**Period of presentation:** Semester 1**Language of tuition:** Both Afr and Eng**Credits:** 16**Module content:**

Theory: Introduction to general chemistry: Measurement in chemistry, matter and energy, atomic theory and the periodic table, chemical compounds and chemical bonds; quantitative relationships in chemical reactions, states of matter and the kinetic theory; solutions and colloids, acids, bases and ionic compounds, chemical equilibria. Introduction to organic chemistry: Chemical bonding in organic compounds, nature, physical properties and nomenclature of simple organic molecules, isomerism, chemical properties of alkanes and cycloalkanes, alkenes, alcohols, aldehydes and ketones, carboxylic acids and esters, amines and amides, carbohydrates, proteins, and lipids.
Practicals.

KEP 261 Cultural eating patterns 261**Academic organisation:** Consumer Science**Prerequisite:** VDS121**Contact time:** 3 lpw**Period of presentation:** Quarter 3**Language of tuition:** Double medium**Credits:** 6**Module content:**

Origin and development of food habits; Factors influencing habits and choice; Dynamics of food habits. Influence of religion on food habits. Food habits of different ethnic groups.

MLB 111 Molecular and cell biology 111**Academic organisation:** Genetics**Prerequisite:** Refer to Regulation 1.2**Contact time:** 1 ppw 4 lpw**Period of presentation:** Semester 1**Language of tuition:** Double Medium**Credits:** 16**Module content:**

Introductory study of the ultra structure, function and composition of representative

cells and cell components. General principles of cell metabolism, molecular genetics, cell growth, cell division and differentiation.

PHY 131 Physics for biology students 131

Academic organisation: Physics

Prerequisite: Refer to Regulation 1. 2

Contact time: 4 lpw 1 dpw 1 ppw

Period of presentation: Semester 1

Language of tuition: Double medium

Credits: 16

Module content:

*This course is intended for students who require only a single semester of physics. Students who have passed the PHY131 course but would prefer to continue with the PHY171 year course, will have to do an additional course. This change can only be made after approval by the head of the department.

Units, vectors, one dimensional kinematics, dynamics, work, equilibrium, sound, liquids, heat, thermodynamic processes, electric potential and capacitance, direct current and alternating current, optics, modern physics, radio activity.

PHY 141 General physics 141

Academic organisation: Physics

Prerequisite: PHY 131 GS as well as 50% minimum for the practical component of PHY 131 or TDH

Contact time: 1 lpw 2 tpw

Period of presentation: Semester 2

Language of tuition: English

Credits: 16

Module content:

*This is an anti-semester presentation of the module PHY 131 General Physics 131. Refer to PHY 131 for the content description. Students will not be credited for both PHY 131 and PHY 141 for degree purposes.

RFI 110 Radiation physics 110

Academic organisation: Physics

Contact time: 4 lpw

Period of presentation: Semester 1

Language of tuition: Afrikaans

Credits: 10

Module content:

Units: converting, dimensional analysis. Mechanics: momentum, force, energy, circular motion, moment of inertia, angular momentum, simple harmonic motion.

Electrostatics: Coulomb's law, electric field, potential. Direct currents: resistors, Ohm's law. Capacitors: capacitance, series, parallel energy. Magnetism: force on a moving charge, electric motor. Electromagnetic induction: Faraday's law, Lenz's Law, generators. Alternating currents: average and rms value, three phase, rectification, transformers. Electrical safety. Atomic structure: ionisation, excitation.

X-rays: production, absorption.

RFI 210 Radiation physics 210

Academic organisation: Physics

Prerequisite: RFI 110, MTL 180, RAN 100, FSG 161, FSG 162, RAW 182 and RAW 180

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Afrikaans

Credits: 7

Module content:

X-ray generator: transformer, energy losses, rectifiers, capacitor-discharge systems, kVp and mA control, high voltage cables. Image intensifiers: design, brightness gain, coupling systems. TV camera and monitor: design, video signal, scanning. Image quality. Optics: reflection, refraction, total internal reflection, mirrors, lenses, thin lens formula, lens aberrations, fiber optics, lasers, laser camera. Computers: basic hardware, digital principles and terminology, data storage.

RFI 211 Radiation physics 211

Academic organisation: Physics

Prerequisite: RFI 110, RAW 180, RAN 100, FSG 161, FSG 162, RAW 182 and MTL 180

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Afrikaans

Credits: 6

Module content:

Radio-active decay: half-life, alfa decay, beta decay, gamma decay. Production of isotopes cyclotron, nuclear reactor, Van de Graaff accelerator. Absorption: nucleons, alfa particles, beta particles. Dosimetry: exposure, absorbed dose, equivalent dose, effective dose, dose limits. Radiation detectors: Geiger counter, scintillation counter, thermoluminescent detector, semi-conductor detectors. Radiopharmaceuticals. Biological effects: genetic and somatic effects.

RFI 310 Radiation physics 310

Academic organisation: Physics

Prerequisite: FSG 251, RFI 210, RAW 281, RBG 281, RAN 280, RAW 282, FSG 252, FSG 262, RAW 284 and RFI 211

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Afrikaans

Credits: 7

Module content:

Computed tomography: CT generations. Equipment: x-ray tube, collimators, detectors. Image reconstruction: fundamental equations, algorithms. Image properties: field size, image matrix, voxel, pixel, CT number, window width and height. Image quality: spatial resolution, contrast resolution, quantum mottle, spatial uniformity and frequency. Image processing: edge enhancement, pixel shifting and subtraction. Digital radiography: X-ray, equipment, analog to digital conversion, linear and logarithmic subtraction, image noise. Ultrasound: theory, transducers, piezo-electric crystals, resonant frequency, interaction with matter, acoustic impedance, Doppler techniques. Magnetic resonance: medical applications.

VDB 321 Food service management 321

Academic organisation: Consumer Science

Prerequisite: Natural and Agricultural Sciences students: VDS 322 #

Contact time: 1 ppw 3 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 18

Module content:

Planning and layout of food service units for different food service systems. Equipment for food services. Factors influencing the choice and purchasing of equipment for different food service units. Hygiene and safety in food services. management in food service systems. Financial management in food services.

VDG 250 Nutrition 250

Academic organisation: Animal and Wildlife Sciences

Prerequisite: Natural and Agricultural Sciences students: CMY 127

Health Sciences students: second year status

Contact time: 3 lpw fortnightly practicals

Period of presentation: Semester 1

Language of tuition: English

Credits: 12

Module content:

Nutrition in the context of growth, development and composition of organisms. Metabolic processes and control in the body. Overview of nutritional processes. The study of the fundamental principles of nutrient metabolism (including macro- and micro-nutrients and water) and digestion physiology. Applications are made regarding man and animals.

Practical work: Experimental work and problem-orientated tasks.

VDS 111 Basic food preparation 111

Academic organisation: Consumer Science

Contact time: 0.5ppw 1 dpw 1 lpw 1 ppw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 6

Module content:

Basic food preparation and food preparation techniques. Weighing and measurement techniques, equipment and terminology as applied in food preparation. Basic food quality control.

VDS 210 Food commodities and preparation 210

Academic organisation: Consumer Science

Prerequisite: VDS 121

Contact time: 1 ppw 3 lpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 18

Module content:

The study of different food systems with regard to food preparation. Physical and chemical properties and the influence of the composition in food preparation. Food preparation basics of the following: soups and sauces; fruit and vegetables; salads; frozen desserts; gelatine.

VDS 221 Food commodities and preparation 221

Academic organisation: Consumer Science

Prerequisite: VDS 210

Contact time: 1 ppw 3 lpw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 18

Module content:

The study of different food systems with regard to food preparation. Physical and chemical properties and the influence of the composition in food preparation. Food preparation basics of the following: meat; poultry; fish, legumes, eggs and milk, starches and cereals; baked products (whole spectrum); leavening agents.

VDS 322 Large-scale food production and restaurant management 322

Academic organisation: Consumer Science

Prerequisite: Natural and Agricultural Sciences students: [KEP 261 or KEP 220] and

VDS 221

Health Sciences students: KEP 261, VDS 210 and VDS 221

Contact time: 3 lpw 3 ppw

Period of presentation: Semester 2

Language of tuition: Double Medium

Credits: 29

Module content:

Module 1 and practical work: Principles of large-scale food preparation and the practical application thereof in a practical restaurant situation. Restaurant management. Recipe formats and adjustment applicable to large-scale food preparation. Work scheduling and the practical exposure to the use of large scale catering equipment in a real life situation.

Module 2: Menu planning for different food service systems and styles of food service.

Module 3: Large scale food procurement, consumption and storage.

Module offered by the Faculty of Engineering, Built Environment and IT

AIM 101 Academic information management 101

Academic organisation: School of Information Technology

Contact time: 2 ppw

Period of presentation: Semester 1 or Semester 2

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

Find, evaluate, process, manage and present information resources for academic purposes using appropriate technology. Apply effective search strategies in different technological environments. Demonstrate the ethical and fair use of information resources. Integrate 21st-century communications into the management of academic information.

Alphabetical list of modules offered by the Faculty of Economic and Management Sciences

BDO 110 Industrial and organisational psychology 110

Academic organisation: Human Resource Management

Contact time: 4 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Introduction to industrial and organisational psychology

This section is an introduction to the various schools of thought in psychology with particular emphasis on industrial and organisational psychology and its fields of application. The basic principles of scientifically systematising industrial psychological knowledge will be discussed. The biological basis of behaviour will be addressed in order to lay the foundation for the application of ergonomical principles.

Individual processes

This section consists of the principles of learning as found in the work context. The role of perception in the work environment will be discussed by considering aspects such as shape, depth, distance and colour perceptions. Cognition, thought, reasoning, memory, creativity and decision-making will be included. Intelligence will be addressed and placed in an Industrial and organisational psychology perspective.

BDO 120 Industrial and organisational psychology 120

Academic organisation: Human Resource Management

Contact time: 4 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 10

Module content:

Development and personality

This module consists of a discussion of the life span and important periods in human development with emphasis on their meaning in the work context. With regard to personality, the following themes will be addressed:

the cultural context of personality, its formation and determinants of personality; personality as determinant of behaviour as well as the development and maintenance of self-image. Attention will be given to the basic methods of personality measuring and personality assessment.

Man in interaction

The nature and functions of as well as changes in attitudes and values will be discussed in order to gain a better understanding of them in a work context. Causes and handling of aggression will be discussed to get a better understanding of conflict. The causes, kinds and handling of conflict are discussed within a work context. Adaptability to work is addressed to create a basis for the management of a healthy worker corps. Earlier and contemporary motivational theories will be comprehensively discussed to establish a healthy basis for their implementation.

BDO 219 Industrial and organisational psychology 219

Academic organisation: Human Resource Management

Prerequisite: BDO 110 GS, 120 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Group behaviour and leadership

This module will focus on organisational behaviour with specific reference to the principles of group behaviour and the role of work teams in the organisation. Particular attention will be paid to group development, group interaction, group structures, group processes and the promotion of team performance in the organisation. Leadership and the effect of power and politics in the organisation will be studied. The function of leadership in individual, group and task-oriented behaviour will also be addressed.

Organisational behaviour

The behavioural basis for organisational structuring and organisation design will be addressed. This will include organisational culture as an important facet in any organisation. The dynamics and approaches to organisational change will be addressed with specific reference to the role of change agents, resistance to change and organisational development with a practical discussion of the contemporary problems of organisational change, personnel turnover, fatigue, boredom, absenteeism, conflict, accidents.

BDO 229 Industrial and organisational psychology 229

Academic organisation: Human Resource Management

Prerequisite: BDO 219 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 16

Module content:

Employee health and ergonomics

This section focuses on actual and important aspects of safety and health management in organisations, as well as the nature and role of ergonomics therein. These aspects are theoretically and practically covered, providing the student with the knowledge and skills required in the organisational psychology and human resource management field.

Workforce diversity

This section will focus on the development of sensitivity towards a diverse employee corps and the development of mutual respect and tolerance between individuals and groups in any organisation. Particular attention will be given to the prerequisites for the effective implementation of a diversity management programme in an organisation.

BDO 319 Industrial and organisational psychology 319

Academic organisation: Human Resource Management

Prerequisite: BDO 110, 120; BDO 219 GS, BDO 229 GS

Contact time: 3 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Human resource management systems

This section provides an introduction to human resource management systems and addresses current developments and problems in the field, which will be comprehensively addressed and include the following: job analysis, description, specification, and design, remuneration theory and systems, job evaluation and grading as well as benefit and fringe-benefit systems. Remuneration systems as motivation for employees will also be included.

Human resources provision

Human resources provision will be presented from an industrial psychological perspective and will include the following themes: human resources planning; macro and micro variables which could affect personnel forecasting and provision; human resource information systems; the auditing of skills as well as techniques such as recruitment, selection, placement and induction.

BDO 329 Industrial and organisational psychology 329

Academic organisation: Human Resource Management

Prerequisite: BDO 319 GS

Contact time: 3 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 20

Module content:

Motivation and performance management

This section will address the main characteristics of a performance management system and will focus on the strategic and motivational value of the process. Performance management will be addressed under the following headings: criteria development; performance planning; data gathering; observation and documenting; performance appraisal; appraisal instruments; performance feedback to promote motivation.

People and career development

This section will address current methods that can be used to develop human resources and to present career development programmes in order to promote performance at both an individual and organisational level. Emphasis will be on needs

analysis, curriculum design, goal setting for learning, programme development, preparation of materials, training interventions, presentation and facilitation skills as well as course evaluation. The integration of individual career expectations with the organisation's requirements and strategies will be illustrated based on career development.

Alphabetical list of modules offered by the Faculty of Humanities

EOT 110 Academic literacy (1) 110

Academic organisation: Unit for Academic Literacy

Contact time: 1 other per week 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

An introduction to academic literacy that considers various learning styles and strategies, and provides an initial exploration of the characteristics of academic language. The module focuses initially on academic listening and speaking. Practice in collecting information for academic tasks, as well as in the processing of academic information. In addition, the module has a focus on the enhancement of academic vocabulary, and some initial and elementary academic writing is attempted.

EOT 120 Academic literacy (2) 120

Academic organisation: Unit for Academic Literacy

Contact time: 1 other per week 2 lpw

Period of presentation: Semester 2

Language of tuition: Both Afr and Eng

Credits: 6

Module content:

While retaining an emphasis on the collection and processing of academic information, this module also provides sustained practice in academic reading. Similarly, we concentrate on building up an academic vocabulary specific to certain fields of study. The final part of the module brings together academic listening, reading and writing. The production of academic information in the form of argumentative writing is the focus here, i.e. we concentrate on producing academic discourse that is rational, coherent, clear and precise.

FIL 110 Philosophy 110

Academic organisation: Philosophy

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

Introduction to Philosophy and Ethics

This module introduces learners to the discipline of Philosophy and the subfield of Philosophical Ethics. Learners will discover the nature of philosophical reflection by exploring a number of classical philosophical themes such as the nature of human beings (philosophical anthropology), the question on the meaning of life as well as moral philosophy. In the latter theme, the question on what is good or right in human behaviour and interaction is examined. This is done by studying some classical ethical theories and then applying them to contemporary moral issues. Throughout the module there is an emphasis on developing those critical thinking, reading and writing skills that are required in Philosophy.

FIL 155 Science and world views 155**Academic organisation:** Philosophy**Contact time:** 1 lpw**Period of presentation:** Semester 1**Language of tuition:** Both Afr and Eng**Credits:** 6**Module content:**

World views in ancient Greece. Socrates. Plato – the founder of Western thought. Aristotle – the foundation of a new tradition. Leonardo da Vinci. The foundation of modern science. The wonder years of the seventeenth century – the flourishing of the sciences and philosophy. The rising of mechanisation. A drastic turn in man's vision – the rise of psychology. How the theory of relativity changed our view of the cosmos. Quantum theory and its implications for the modern world view. The biological sciences and the secrets of life. The rise and role of psychology. The neuro-sciences. The place, role and benefit of philosophical thought in the sciences.

GSO 180 Culture and healthcare 180**Academic organisation:** Anthropology and Archaeology**Contact time:** 2 lpw**Period of presentation:** Quarter 1**Language of tuition:** English**Credits:** 6**Module content:**

*Only for students in communication pathology and health sciences

Impact of multiculturalism on healthcare in South Africa; world view and value systems; religious beliefs; beliefs with regard to illness, health and death.

GSO 181 Project planning and management 181**Academic organisation:** Anthropology and Archaeology**Contact time:** 2 lpw**Period of presentation:** Quarter 3**Language of tuition:** English**Credits:** 6**Module content:**

*Only for students in health sciences

Determination of the needs on community level: cause-consequence in project planning. Conversion of needs into objectives and capacity analysis. Identification of viable community development programmes and projects. Determination of projects activities, indicators for monitoring and risk factors. Project budget and compilation of a project business plan.

GSO 182 Development process 182**Academic organisation:** Anthropology and Archaeology**Contact time:** 2 lpw**Period of presentation:** Quarter 2**Language of tuition:** English**Credits:** 6**Module content:**

*Only for students in communication pathology and health sciences

Introduction to key concepts and processes in community development, with special reference to the most prominent theories and supporters. Debate on the applicability of the community development approach in diverse local and regional contexts. Overview of debatable assumptions with regard to communities, community developers, and the process of community development.

GSO 183 Health research 183

Academic organisation: Anthropology and Archaeology

Contact time: 2 lpw

Period of presentation: Quarter 4

Language of tuition: English

Credits: 6

Module content:

*Only for students in health sciences

Categories of data and applicable methods of data collection about the social aspects of disease, health, and health care. Field research; creation of rapport, accurate observation; utilisation of additional research aids (questionnaires; research schedules, interpreters, audio-visual aids and field notes).

MTL 180 Medical terminology 180

Academic organisation: Ancient Languages

Contact time: 2 lpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

The acquisition of a basic medical orientated vocabulary compiled from Latin and Greek stem forms combined with prefixes and suffixes derived from those languages. The manner in which the meanings of medical terms can be determined by analysing the terms into their recognisable meaningful constituent parts, is taught and exercised. The functional use of medical terms in context as practical outcome of terminological application is continually attended to.

SEP 110 Sepedi for beginners 110

Academic organisation: African Languages

Contact time: 2 lpw 1 dpw

Period of presentation: Semester 1

Language of tuition: Double Medium

Credits: 12

Module content:

*For absolute beginners only.

*Only students from the School of Healthcare Sciences may take this module during semester 2. All other students must take this module during semester 1. Also note that students from the School of Healthcare Sciences, who already possess the language skills taught in this module, may write an exemption examination

The acquisition of basic Sepedi communicative skills with emphasis on everyday expressions and suitable high frequency vocabulary, within specific social situations.

SLK 110 Psychology 110

Academic organisation: Psychology

Contact time: 2 lpw 2 dpw

Period of presentation: Semester 1

Language of tuition: Both Afr and Eng

Credits: 12

Module content:

This module is a general orientation to psychology. An introduction is given to various theoretical approaches in psychology, and the development of psychology as a science is discussed. Selected themes from everyday life are explored and integrated with psychological principles. This module focuses on major personality theories. An introduction is given to various paradigmatic approaches in Psychology.

SLK 120 Psychology 120**Academic organisation:** Psychology**Contact time:** 2 lpw 2 dpw**Period of presentation:** Semester 2**Language of tuition:** Both Afr and Eng**Credits:** 12**Module content:**

This module introduces the student to a basic knowledge and understanding of the biological basis of human behaviour. The module addresses the key concepts and terminology related to the biological subsystem, the rules and principles guiding biological psychology, and identification of the interrelatedness of different biological systems and subsystems. In this module various cognitive processes are studied, including perception, memory, thinking, intelligence and creativity. Illustrations are given of various thinking processes, such as problem solving, critical, analytic and integrative thinking.

SLK 210 Psychology 210**Academic organisation:** Psychology**Contact time:** 2 lpw 2 dpw**Prerequisite:** SLK 110, SLK 120(GS) and RES 151 are recommended**Period of presentation:** Semester 1**Language of tuition:** Both Afr and Eng**Credits:** 20**Module content:**

In this module human development from conception through adolescence to adulthood is discussed with reference to various psychological theories. Incorporated are the developmental changes related to cognitive, physical, emotional and social functioning of the individual and the context of work in adulthood. Traditional and contemporary theories of human development explaining and describing these stages are studied in order to address the key issues related to both childhood and adulthood.

SLK 220 Psychology 220**Academic organisation:** Psychology**Contact time:** 2 lpw 2 dpw**Prerequisite:** SLK 110, SLK 120(GS) and SLK 261 are recommended**Period of presentation:** Semester 2**Language of tuition:** Both Afr and Eng**Credits:** 20**Module content:**

This module is a social-psychological perspective on interpersonal and group processes. Themes that are covered include communication, pro-social behaviour, social influence and persuasion, political transformation, violence, and group behaviour.

ZUL 110 isiZulu for beginners 110**Academic organisation:** African Languages**Contact time:** 2 lpw 1 dpw**Period of presentation:** Semester 1 and Semester 2**Language of tuition:** Double Medium**Credits:** 12**Module content:**

*For absolute beginners only

*Only students from the School of Healthcare Sciences may take this module during semester 2. All other students must take this module during semester 1. Students from the School of Healthcare Sciences, who already possess the language skills taught in this module, may write an exemption examination.

The acquisition of basic isiZulu communicative skills with emphasis on everyday expressions and suitable high frequency vocabulary, within specific situations.

E&OE