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

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FACULTY OF HEALTH SCIENCES

School of Dentistry
• Community Dentistry
• Dental Management Sciences
• Maxillofacial 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
• Aerospace Medicine
• Public Health Medicine

School of 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
• Otolaryngology
• 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 NOVEMBER 2014

DEAN
Prof. E. Buch
MBBCh MSc(Med) DTM&H DOH(Witwatersrand) FFCH(SA)

DEPUTY DEAN: RESEARCH
Prof. C de Jager
BSc(Hons) MSc(Free State) PhD(Pretoria) Post Doct(Laval)

DEPUTY DEAN: EDUCATION
Prof DM Manning
BSc(Hons) PhD MEd(Witwatersrand)

SCHOOL OF DENTISTRY

DEAN/MANAGER
Prof. A.J. Ligthelm, BChD MChD(Oral Path)(Pretoria) PhD(Stellenbosch)
FC Path(SA)Oral Path MASSAf

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

Ayo-Yusuf, O. A., BDS(Benin) Dip(Odont) DHSM MSc(Odont) ..........Associate Professor/
MPH(Pretoria) PhD(Maastricht) DipDent(SA) Post-doc(Harvard) Head: Clinical Unit
Kolisa, Y., BDS(Medunsa) MPH MDent(Witwatersrand)..................Senior Lecturer/
Specialist

Madiba, T.K., BDent Ther BDS(Medunsa) DHSM MChD(Pretoria) ......Senior Lecturer/
Specialist

Van Wyk, C., AdvDipOHyg Dip(Odont) MSc(Odont) PhD(Pretoria)......Senior Lecturer/
Asst.Director/
Oral Hygienist

Du Bruyn, R.C., AdvDipOHyg DHETP BEd(Hons) MEd(Pretoria) ........Lecturer/ Asst.Director/
Oral Hygienist
Sofala, N.J., Dip(OH)(Witwatersrand) ................................................................ Lecturer/Chief Oral Hygienist
Kruger, C.C.P., DipOHg(Pretoria) ................................................................ Lecturer/Chief Oral Hygienist

**Department of Dental Management Sciences**

White, J.G., BChD BChD(Hons) MBA(Stellenbosch) DTE .................................. Associate Professor/PhD(Pretoria) Head: Clinical Unit
Postma, T.C., MChD DHSM(Pretoria) PhD(Pretoria) ............................................ Senior Lecturer/Specialist
Ayo-Yusuf, I.J., BDS(Benin) Dip(Odont) PDD MSc(Pretoria) ............... Senior Lecturer/PhD(Western Cape)
Snyman, L., BChD Dip(Odont) PGDipDent(Pretoria) ....................... Senior Lecturer/PDD(Stellenbosch) PGCHE(Pretoria) MBL(Unisa)
Van der Berg-Cloete, S.E., BChD(Western Cape) PGDipDent .......... Lecturer/MBA(Stellenbosch)
Heymans, J.H., BChD(Pretoria) ......................................................... Lecturer/Dentist
Mostert, V.C., BChD(Western Cape) PGDipDent(Pretoria) ............. Lecturer/Dentist
Thompson, J., BChD(Pretoria) ............................................................... Lecturer/Dentist
Swart, N., DipOH(Western Cape) AdvDipOH PGCHE(Pretoria) ........ Lecturer/Oral Hygienist
Theophanides, A., BCom(Hons)(Actuarial Science)(Pretoria) .......... Lecturer
Kruger, R.G., BChD(Pretoria) MBA(Stellenbosch) ............................... Senior Lecturer/Dentist
Kalenderian, E., DDS(Groningen) MPH(Harvard) PhD(Amsterdam) Extraordinary Professor
Jamuna, A., BDS(Medunsa) DipDent(Endo)(Pretoria) .......... Senior Lecturer/MBA(Westville)
Hanekom, F., MCom(RAU) CA(SA) ..................................................... Lecturer/Professor
Matjila, S.A., BDentTher BDS(Medunsa) DipDent(Endo)(Pretoria) MBL(Unisa) Lecturer/Dentist

**Department of Maxillofacial and Oral Surgery**

Jacobs, F.J., BChD(Hons) MChD(MaxFacOralSurg) ......................... Professor/PhD(Pretoria) FC MFOS(SA) Head: Clinical Department (Head)
Dintcheva, P.M., MStomat DipDentSurg(Sofia, Bulgaria) ........ Lecture/Dentist
Kotzé, M.J., BChD(Hons) MSc(Odont) Dip(Odont)(Pretoria) .......... Lecture/Dentist
Syebele, K., DipMed DipDent DipMFSurg(Kinshasa, Congo) ....... Lecture/Dentist

**Department of Odontology**

De Wet, F.A., BChD BChD(Hons) MDent DTE DSc(Odont)(Pretoria) Professor/ Head: Clinical Department (Head)
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(Protho)(Medunsa) Senior Lecturer/Specialist
Brandt, P.D., BChD PDD(Stellenbosch) MSc(Odont)(Pretoria) Senior Lecturer/Stomatologist
Lombard, R., BChD(Stellenbosch) MDS(UL) Senior Lecturer/Principal
Kritzinger, D., BMedSc BChD(Stellenbosch) PGDipDent(Aesthetic Dentistry)(Pretoria) Lecturer/Dentist
Makobe, D.C., BDS(Medunsa) Dip(Odont)(Pedodontics)(Pretoria) Lecturer/Dentist
Mfolo, T.B., BChD(Western Cape) PGDipDent(Aesthetic Dentistry) PGDipDent(Community Dentistry)(Pretoria) Lecturer/Dentist
Potgieter, N., BChD(Pretoria) Lecturer/Dentist
Rossouw, N., BChD PGDipDent(Aesthetic Dentistry)(Pretoria) Lecturer/Dentist
Vorster, M., BChD(Pretoria) Lecturer/Dentist
Warren, N., BChD PGDipDent(Endodontics) MSc(Odont)(Pretoria) Lecturer/Dentist

Department of Oral Pathology and Oral Biology
Van Heerden, W.F.P., BChD MChD(Oral Path)(Pretoria) Professor/Head: Clinical PhD(Medunsa) DSc(Odont)(Pretoria) FC Path(SA) Oral Path Head: Clinical Unit
MASSAf (Head)
Boy, S.C., MChD(Oral Path) PhD(Pretoria) FC Path(SA) Oral Path Associate Professor/Head: Clinical Unit
Swart, T.J.P., MChD(Oral Path) MSc(Odont)(Pretoria) Associate Professor/Head: Clinical Unit
Bunn, B.K., BDS MDent(Oral Path)(Witwatersrand) Senior Lecturer/FC Path(SA) Oral Path Specialist
Nel, S., BChD MSc(Dent)(Pretoria) Senior Lecturer/Stomatologist
Bernitz, H., BChD MSc(Odont) PhD(Pretoria) Extraordinary Professor
Emmer, J., BSc MSc(Munster) PhD(Ulm) Extraordinary Professor
Hunter, K.D., BSc(Hons) FDS RCSed PhD(Glasgow) FRCPath Extraordinary Professor
Vargas, P.A., BDS MSc PhD(Unicamp) 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) MSc(Dent)(Pretoria) Senior Lecturer/Stomatologist
Davidson, C.L., BChD MScDent(Pretoria) Lecturer/Dentist
Mavusa,D.S., BDS(Witwatersrand) PD(HIV/AidsMan)(Stellenbosch) Lecturer/Dentist
Duncan Fensham, R., DipRad(Diag) DipRad(Ther)(Pretoria) Lecturer/Asst Director DipHOOP(Pretoria)
Maritz, M.P., DipRad(Diag)(Pretoria) Lecturer/Chief Radiographer
Mohlala, N.S., BRad(Diag)(Medunsa) BRad(Hons)(Pretoria) Lecturer/Chief Radiographer
BCompt(UNISA)
Vorster, A., DipRad(Diag)(TUT) Lecturer/Chief Radiographer
Motiang, P.K., BRad(Diag) MPG(Medunsa) Lecturer/Chief Radiographer
Health Sciences 2015

**Department of Orthodontics**
Dawjee, S.M., BChD(Western Cape) BChD(Hons) ......................... Associate Professor/
MSc(Odont)(Pretoria) MDent PhD(Medunsa) Specialist
PGDip IRE(Cape Town) (Head)
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

**Department of Periodontics and Oral Medicine**
Van Zyl, A.W., BChD MChD(OMP)(Stellenbosch) ......................... Associate Professor/
Head: Clinical Department (Head)
Marnewick, J.C., MDent(OMP)(Witwatersrand) ........................ Adjunct Professor/
Head: Clinical Unit
Bergmann, F.J., DrMedDent(Oral Surg)(Mainz) ......................... Extraordinary Professor
Hartshorne, J.E., BSc BChD MChD MPA PhD(Stellenbosch) ......... Extraordinary Professor

**Department of Prosthodontics**
Dullabh, H.D., BChD(Western Cape) MSc(Dent) ......................... Associate Professor/
MDent(Prosth)(Witwatersrand) Head: Clinical Department (Head)
Sykes, L.M., BSc(Dent) BDS MDent(Witwatersrand) ................. Associate Professor/
Principal Specialist
Harryparsad, A., BDS(Witwatersrand) PDD(Interceptive Orthodontics)
MChD(Prosth)(Pretoria) ....................................................... Senior Lecturer/
Head: Clinical Specialist
Herbst, D., BSc(Free State) BChD MChD(Prosth)(Pretoria) FCD(SA) Senior Lecturer/
Ismail-Vally, Z., BDS MDent(Witwatersrand) ............................. Senior Lecturer/
Van den Heever, J.H., BChD MChD(Pretoria) ......................... Senior Lecturer/
Van der Merwe, L., BChD(Pretoria) ..................................... Lecturer/Dentist
Low, L.G., BDS MSc(Dent)(Witwatersrand) ............................ Lecturer/Dentist

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

Chairperson:
Prof F.M.Mulaudzi, MCur DLitt et Phil(Unisa)
Dip in International Health Research Ethics(Cape Town)

Department of Human Nutrition
Gericke, G.J., BSc(Diet)(Hons) MDiet(Pretoria) .........................Senior Lecturer
   DipHospDiet(Free State) DTI(Potchefstroom)                     (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 )......................................................Senior 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) ..........Associate Professor
   Dipl in International Health Research Ethics(Cape Town)         (Head)
Van Wyk, N.C., BSoSci(Hons) Dipl Oncology Nursing
   MSocSc(CommHealth) PhD(Free State) ....................................Associate Professor
Heyns, T., BSoSci(Hons) MCur(Trauma)(Pretoria)
   DLitt et Phil(Unisa) ............................................................Senior Lecturer
Leech, R., MECI PhD(Pretoria) ....................................................Senior Lecturer
Maree, C.M., BCur(Pretoria) BACur(I et A)(Unisa)
   MCur(Prof Pract)(Johannesburg) PhD(Pretoria) .......................Senior Lecturer
Peu, M.D., BCur(Hons)(Pretoria) MA(Cur)(CommNurs)(Unisa)
   PhD(Pretoria) ......................................................................Senior Lecturer
   DLitt et Phil(Unisa) ............................................................Senior Lecturer
Mogale, R.S., BCur(I et A) BCur(Hons) MCur(Pretoria)
   PhD(University of Alberta, USA) ............................................Senior Lecturer
Bhana, V.M., BCur MCur( Clinical)(Pretoria) ..............................Lecturer
Boersema, G.C., BCur(Pretoria) DipNursEd ...............................Lecturer
   DipNursED(Pretoria) .............................................................Lecturer
Filmalter, C.J., BCur(I et A) MCur(Clinical)(Pretoria) ..................Lecturer
Jiyane, P.M., BCur MCur(Pretoria) .............................................Lecturer
Khumisi, E.T., BCur Admin(Hons)(ComPsych)(UNISA) MPH(Medunsa).Lecturer
Mataboge, M.L.S., BCur(Unisa) BCur(Hons)(Pretoria)
   MA(Cur)(CommNurs)(Unisa) ....................................................Lecturer
Moagi, M.M., BCur(I et A)(North-West)
   MCur(Adv.PsyNurSc)(Pretoria) ................................................Lecturer
Ngunyulu, R.N., MCur(CommNurs) PhD(Pretoria) .........................Lecturer
Phiri, S.S., BCur(NursEd and CommNurs)(Unisa) BCur(Hons)
   (Pretoria) MCur(Stellenbosch) Dip in HIV and Aids Management
   Dip in Human Rights(North-West) ............................................Lecturer
Rikhotso, S.R., BCur(E et A) MCur(North-West) .........................Lecturer
Rossouw, S.C., BCur(Hons)(Pretoria) DipNursEd ..........................Lecturer
Van der Wath, A.E., BCur(Pretoria) MCur(RAU) PhD(Pretoria) ........Lecturer
Department of Occupational Therapy

De Beer, M., NatDipOccTher DipEdVocTher MOccTher(Pretoria)................Senior Lecturer
PhD(Medunsa) PhD(Pretoria) (Head)
Balbadhur, R., BOccTher(UDW)..............................................................Lecturer
Bekker, B.M., BOccTher(Pretoria) MOccTher(Pretoria).........................Lecturer
Buys, T.L., BOccTher(Free State) BOccTher(Hons)
MOccTher(Pretoria) ................................................................................Lecturer
De Bruyn, J., BOccTher MOccTher(Pretoria)............................................Lecturer
Du Plessis, A.M., Nat Dip(OccTher) DipEdVocTher(Pretoria)
BA(Unisa) MOccTher(Pretoria) ...............................................................Lecturer
Engelbrecht, L.H., Nat Dip(OccTher) BOccTher(Hons)
MOccTher(Pretoria) ................................................................................Lecturer
Ramodike, K.V., BOccTher(Medunsa) BOccTher(Hons)(Medunsa)
MHPE(Maastricht University) ................................................................Lecturer
Rudman, E.M.P., Nat Dip(OccTher) MOccTher(Pretoria )Dip Orth
Pedag for Therapists(Unisa) ...............................................................Lecturer

Department of Physiotherapy

Mothabeng, D.J., BSc(PhysT)(Medunsa)..............................................Professor
MPhysT DTE PhD(Pretoria) (Head)
Van Rooijen, A.J., BSc(PhysT) MSc(PhysT) DTE(Free State)
TED(Phys) Phd(Pretoria) ............................................................................Associate Professor
Eksteen, C.A., BSc(PhysT)(Stellenbosch) MEd(Unisa)
PhD(Pretoria) DTE ...................................................................................Senior Lecturer
Cochrane, M., BPhysT MPhysT(Pretoria) ...............................................Lecturer
Korkie, F.E., BSc(Phys) MPhysT(Pretoria) ..............................................Lecturer
Marais, A.M., Dip(PhysT) MPhysT(Pretoria) DTE(Free State).................Lecturer
Mostert, K., BSc(PhysT)(Free State) MPhysT MBA Phd(Pretoria)..........Lecturer
Hanekom, S., BSc(Phys)(Brazil) MSc(Witwatersrand).........................Lecturer
Van der Spuy, A.A., Dip(PhysT)(Free State) .........................................Lecturer

Department of Radiography

Makanjee, C.R., DipRad(Diag)(Johannesburg).................................Senior Lecturer/
DipNurseryEd(Unisa) DTE BRad(Hons) (Head)
MRad(Diag) PhD(Pretoria)
Mathurnie, G.T., Dip(Radiography) DipRad(Diag) 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)
DTE BRad(Hons)(Pretoria) MTech(Ed)(Johannesburg) .......................Lecturer
Seane, E.N., BRad(Diag)(Medunsa) PGCHE
BRad(RadTher)(Hons)(Pretoria) ...........................................................Lecturer
Postgr Course in Radiobiology(CPUT) MRad(RadTher)(Pretoria). Lecturer
Sethole, K.M., BRad(Diag)(Medunsa) NHD(NuclMed)(Natal Techn)
BRad(Hons)(Pretoria) ............................................................................Lecturer
### SCHOOL OF HEALTH SYSTEMS AND PUBLIC HEALTH

**Chairperson:** Vacant

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<tr>
<th>Name</th>
<th>Title</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buch, E., MBChB MSc(Med) DTM&amp;H DOH(Witwatersrand)</td>
<td>FFCH(SA)</td>
<td>Professor</td>
</tr>
<tr>
<td>De Jager, C., BSc(Hons) MSc(Free State) PhD(Pretoria)</td>
<td>Post Doct(Laval)</td>
<td>Professor</td>
</tr>
<tr>
<td>Rheeder, P., MBChB MMed(Int)(Pretoria)</td>
<td>MSc(Clin Epi)(Rotterdam) PhD(Utrecht)</td>
<td>Clinical Epidemiology</td>
</tr>
<tr>
<td>Voyi, K.V.V., BSc(Fort Hare) BSc(Hons) MSc PhD(Cape Town)</td>
<td>Associate Professor</td>
<td></td>
</tr>
<tr>
<td>Beke, A., MBChB(Ghana) FCPHM(SA) MMed(CommHealth)(Medunsa) DTM&amp;H DPH DHS M(CommHealth)</td>
<td>Adjunct Professor</td>
<td></td>
</tr>
<tr>
<td>Bamford, L.J., BSocSci(Hons) MBChB(Cape Town)</td>
<td>DPh(London School of Hygiene and Tropical Medicine)</td>
<td>Extraordinary Professor</td>
</tr>
<tr>
<td>Girdler-Brown, B.V., BSc(Agric)(Natal) MBChB(Rhodesia) MBA MMed(Cape Town) BCom(Hons)(Economics)(Unisa)</td>
<td>FCPHM(SA) FFPH(UK)</td>
<td>Extraordinary Professor</td>
</tr>
<tr>
<td>Hendricks, S.J.H., BChD(Western Cape) MSc(London)</td>
<td>MPH MPA PhD(Harvard)</td>
<td>Extraordinary Professor</td>
</tr>
<tr>
<td>Kielkowski, D., BSc MSc(Poland) PhD(Witwatersrand)</td>
<td>MSc(Adam Mickiewicz Univ)(Poland)</td>
<td>Professor/ Senior</td>
</tr>
<tr>
<td>Mutero, C.M., BSc MSc PhD(Nairobi)</td>
<td>MPH(CommHealth)</td>
<td>Extraordinary Professor</td>
</tr>
<tr>
<td>Maharaj, R., BSc BSc(Hons) MSc MSc(Medical)</td>
<td>MPH(CommHealth)</td>
<td>Extraordinary Professor</td>
</tr>
<tr>
<td>Röllin, H.B., MSc(Adam Mickiewicz Univ)(Poland)</td>
<td>PhD(Witwatersrand)</td>
<td>Research Fellow</td>
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<td>Stoltz, A.C., BSc(Hons) MSc MBChB PhD(Pretoria)</td>
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<td>Terblanche, A.P.S., BSc BSc(Hons) MSc DSc(Pretoria)</td>
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<td>Westaway, M.S., PhD(Witwatersrand)</td>
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<td>Extraordinary Professor</td>
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<td>Whittaker, S., BSc UED MBChB FFCH(CM) SA MMed</td>
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<td>Extraordinary Professor</td>
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<td>Bornman, M.S., MBChB DSc(Pretoria) MD(Free State) PrSciNat</td>
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<td>Harris, B.N., MBChB MMed(CommHealth)(Pretoria)</td>
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<td>Robinson, F., MBChB(Witwatersrand) MMed(Natal)</td>
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<td>Senkubuge, F., MBChB MMed (Community Health)(Pretoria)</td>
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<td>Senior Lecturer</td>
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<td>Wichmann, J., MSc(Med)(Cape Town) BSc(Hons) MSc</td>
<td>PhD(Pretoria)</td>
<td>Senior Lecturer</td>
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<td>Wolvaird, J.E., BCur MPH PhD(Pretoria)</td>
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<td>Senior Lecturer</td>
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<td>Claassen, N., BSc MSc(Potchefstroom) PhD(Pretoria)</td>
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<td>Senior Lecturer</td>
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<td>Kamungoma-Dada, I.M., BSc HB MBChB(Zambia)</td>
<td>MA(Appl Pop Research)(EXON) MPH(Pretoria)</td>
<td>Lecturer</td>
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<tr>
<td>Napoles, L., BSc(Dietetics) DipHospDiet(Nata) HDE(Unitra)</td>
<td>MPH(UCLA)</td>
<td>Lecturer</td>
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<td>Webb, E.M., BSc(Agric)(Hons)(Genetics) MPH(Pretoria)</td>
<td>MPH(Pretoria)</td>
<td>Lecturer</td>
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Aneck-Hahn, N.H., NDip(Microbiology) NDip(Med Tech/Micro Haem) NH Dip(Med Tech/Micro Haem) MTech(Biomed Tech) DTech(TUT) .................................................................Lecturer
Ledibane, N.R.T., MBChB (Natal) HCM (FPD/SA) MPH(Pretoria)....Lecturer
Bergh, A.P., BA(Johannesburg) BA(Hons)(Stellenbosch)
   BA(Hons)(Unisa) BEd(Hons) PhD(Pretoria) SED ..................Extraordinary Lecturer
Kembo, J., BSc(Hons) MSc(Zimbabwe) PhD(Pretoria) .................Extraordinary Lecturer
Kuonza, L.R., MBChB MPH(Zimbabwe) .......................................Extraordinary Lecturer
Macharia, D.K., MBChB MMed(Nairobi) MSc(Epidemiology)(London).Extraordinary Lecturer
McCrindle, C.M.E., BVSc(Hons) Phd(Pretoria)..........................Extraordinary Lecturer
McIntosh, E.N., MPH(IASHS, San Francisco) DEd PhD(Loyola).......Extraordinary Lecturer
Miot, J.K., BPharm(Rhodes) PhD(London).................................Extraordinary Lecturer
Moonasar, D., MSc DrPH(London) ...............................................Extraordinary Lecturer
Ncube, E.J., BSc(Hons)(Cape Town) MSc Phd(Pretoria) .............Extraordinary Lecturer
Rossouw, T.M., MBChB MPhil(Stellenbosch) MPH(Pretoria) ........Extraordinary Lecturer
Schoeman, J.J., BSc(Free State) BSc(Hons) MSc(North-West)
   NHD (PSE) DPhil(Johannesburg) MDP(Unisa) DPCOH(UK)......Extraordinary Lecturer
Sithole, M.M., BSc Dip(Mathematics) MSc(Swaziland) Phd(Curtin)....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
Williams, S., BA MD(Maryland) MPH(Emory) FAAFP ..................Extraordinary Lecturer
Zuma, K., BSc(Edward Waters Coll,USA) MBChB(Medunsa)
   MPH(Pretoria) ........................................................................Extraordinary Lecturer
Moropeng, M.L., BSc (Medical Sciences)(Unin)
   MSc (Medical Virology)(Medunsa) .............................................Junior Lecturer

**Aerospace Medicine Division**
Blunden, C.J., BSc BSc(Hons) MBChB MMed(Anaes)(Pretoria)........Extraordinary Lecturer
   (Head)
Bedford, R.W., MBChB BSc(Hons)(Pretoria) ..............................Extraordinary Lecturer
Bogatsu, L., BSc(Edward Waters Coll,USA) MBChB(Medunsa)
   MPH(Pretoria) ........................................................................Extraordinary Lecturer

**Department of Public Health Medicine**
Louwagie, G.M.C., MD(Louvain) DTropMed(Antwerp)..................Senior Lecturer/
   DTM(HFSA) MBChB MMed(CommHealth)(Free State) Medical Specialist
   FCPHM(SA)
Moodley, S.V., MBChB(Cape Town) DMH(SA) DTM&H(Pretoria)....Senior Lecturer/
   DTM(Pretoria) FCPHM(SA) MMed(Publ HealthMed)(Pretoria) Specialist
De la Querra, A.S., MBChB MFMamMed
   MMed(CommHealth)(Free State) FCPHM(SA)
   AUDOH(Free State) .............................................................Senior Lecturer
Zungu, L.M., MBChB(Cape Town) MMed(CommHealth)(Pretoria)
   FCPHM(CMSA) DOMH(Pretoria) .............................................Senior Lecturer
Oliphant, C.E.M., MBChB MMed (Public HealthMed)(Cape Town)
   FCPHM(SA) MPhil(Appl Ethics)(Stellenbosch) .........................Lecturer
Turner, A.C., MBChB(Cape Town) Dip HIV(SA)
   MMed (Publ HealthMed) FCPHM(SA) ......................................Lecturer
SCHOOL OF MEDICINE

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

Sports Medicine Division
Janse van Rensburg, D.C., MBChB MSc(Sports Medicine) ..........Senior Lecturer
  MMed(MedPhys) MD(Pretoria) FACSM (Head)
Cele, Zondi,P., MBChB(Cape Town) ..................................................Lecturer
Grant, C.C., Nat Dip Analyt Chem(TUT) BSc(Unisa)
  BSc(Hons) MSc PhD(Pretoria) ..........................................................Lecturer
Kramer, E.B., MBChB, MSc(Bioethics and Health Law)
  (Witwatersrand) FCEMSA ...............................................................Extraordinary Professor
Gregory, A.J.M., 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
Patricios, J., MBChB(Witwatersrand) MMEdSci(Sheffield) ..........Extraordinary Lecturer
Strauss, G.L., MBChB MSc(Sports Medicine)(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) ..........Associate Professor
  PhD(Medunsa) (Head)
Steyn, M., MBChB(Pretoria) PhD(Witwatersrand) .........................Professor
Bester, M.J., BSc MSc(Pretoria) PhD(Witwatersrand) .................Associate Professor
L’Abbé, E.N., MA(Phys Anthr) (Louisiana State Univ) PhD(Pretoria)
  D-ABFA (Dip American Board of Forensic Anthropology) ..............Associate Professor
Maat, G.J.R., MBChB MD PhD(Leiden) ............................................Honorary Professor
Symes, S.A., A.B. Biology(Kenyon College, Ohio)
  PhD(Anatomy)(Tulane Univ, New Orleans) ......................................Extraordinary Professor
Briers, N., BSc(Stellenbosch) MSc DTE(Pretoria) .......................Senior Lecturer
Navsa, N., BSc(Western Cape) MSc(Witwatersrand) PhD(Pretoria) ....Senior Lecturer
Oberholtzer, N., BSc(Hons) MSc PhD(Pretoria) .........................Senior Lecturer
Oettlé, A.C., MBChB(Witwatersrand) MSc(Anat) DTE(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 DTE(Pretoria) ...........Lecturer
Keough, N., BSc(MedSci) BSc(Hons) MSc(Anat) PhD(Pretoria) .........Lecturer
Human-Baron, R., BSc(Hons) MSc(Pretoria) .................................Junior Lecturer
Serem, J., BSc(Hons) MSc(Pretoria) ..................................................Lecturer
Shanahan, D., BSc(Hons) MSc(Pretoria) ..........................................Extraordinary Lecturer

Department of Anatomical Pathology
Louw, M., MBChB MMEd(Path)(Pretoria) ..................................Senior Lecturer/
  Principal Specialist
Dinkel, J.E., MBChB MMEd(Path)(Pretoria) DA(SA) .......................Senior Lecturer/
  Senior Specialist
Health Sciences 2015

Campaini, C., MBBCh(Italy) MMed(AnatPath)(Medunsa) .................. Senior Lecturer/ Senior Specialist
Eyal, P., MBChB MMed(Path)(Pretoria) .......................................... Lecturer/ Senior Specialist
Crause, C., MBChB MMed(Path)(AnatPath)(Pretoria). ....................... Junior Lecturer/ Pathologist

Department of Anaesthesiology
Rantloane, J.L.A., MBCh MMed(Anaes)(Medunsa) ....................... Professor/ Head: Clinical Dept (Head)
Fourie, P.J.H.L., MBChB MMed(Anaes)(Pretoria) FFA(SA) ................. Adjunct Professor/ Head: Clinical Unit
Dlamini, S.H., BSc(Swaziland) MBChB(Medunsa) DA(SA) MMed(Anaes)(Medunsa) .................. Senior Lecturer/ Head: Clinical Unit
Maneli, N., MBChB(Medunsa) DA(SA) FCA(SA) ................................ Senior Lecturer/ Head: Clinical Unit
Selepe, E., MBChB(Natal) FCA(SA) ................................................ Senior Lecturer/ Head: Clinical Unit
Alberts, A.N.J.D., MBChB MMed(Anaes)(Pretoria) DA(SA) .............. Senior Lecturer/ Head: Clinical Unit
De Bruin, J.C., MBChB MMed(Anaes)(Pretoria) DA DipPEC(SA) .......... Senior Lecturer/ Medical Specialist
Kluyts, H., MBChB(Pretoria) MMed(Anaes)(Pretoria) ...................... Senior Lecturer/ Medical Specialist
Naidoo, S., MBChB MMed(Pretoria) DA(SA) ...................................... Senior Lecturer/ Medical Specialist
Nel, M.S., MBChB(Pretoria) MMed(Medunsa) ................................. Senior Lecturer/ Principal Specialist
Schutte, H., MBChB MMed(Anaes)(Pretoria) ................................. Senior Lecturer/ Medical Specialist
Matlala, N.S., BSc MBChB(Witwatersrand) MMed(Anaes)(Pretoria) DA(SA).................. Lecturer/Medical Specialist
Siyaka, G., MBChB(Cape Town) DA(SA)FCA .................................. Lecturer/ Medical Specialist
Spijkerman, S., MBChB MMed(Anaes)(Pretoria) DA(SA)FCA .......... Lecturer/ Medical Specialist
Voigt, M., MBChB MMed(Pretoria) DA(SA) FCA(SA) ..................... Lecturer/ Medical Specialist
Van Rooyen, C.A., MBChB (Free State) MMed(Pretoria) DA(SA), FCA SA) .................. Lecturer/Specialist
Jurgens, FX. MBChB MMed(Pretoria) DA(SA) FCA(SA) ................... Lecturer/Medical Specialist
Mokgalaka, N.D., MBChB(Medunsa) DA(SA) FCA(SA) .................. Lecturer/Medical Specialist
Rossouw, H.S.,MBChB,MMed(Pretoria) DA(SA) FCA(SA) .............. Lecturer/Medical Specialist
### Department of Cardiology

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<td>Sarkin, A.I., MBBCh(Witwatersrand) FCP(SA)</td>
<td>Professor/Head: Clinical Department (Head)</td>
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<td>Mthiyane, S.D., MBChB(Medunsa) PPDM FCP(SA)</td>
<td>Lecturer/ Medical Specialist</td>
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<tr>
<td>Naran, R., MBBCCh DipHIVMan(SA) FCP(SA)</td>
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### Department of Chemical Pathology

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<td>Professor/Head: Chemical Department (Head)</td>
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<td>Oosthuizen, N.M., MBChB(Pretoria) FCPPath(SA)(Chem)</td>
<td>Senior Lecturer/ Principal Specialist</td>
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<td>Murray, L.M., MBChB(Pretoria) MMed(Medunsa)</td>
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<td>Kiabilua, Z.M.O., BSc MD(Kinshasa) FCPPath(SA)(Chem)</td>
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<td>Van Niekerk, C., MSc(Free State) PhD(Pretoria)</td>
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### Department of Family Medicine

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<td>Hugo, J.F.M., MBChB MFamMed(Free State)</td>
<td>Professor/Head: Clinical Department (Head)</td>
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<td>Meyer, H.P., MBChB MPraxMed(Pretoria) MFGP(SA) FCFP(SA)</td>
<td>Professor/Head: Clinical Unit</td>
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<tr>
<td>Delport, R., BA et Scien(Nursing)(Potchefstroom) BCur(IntCare)(Hons) MSc(Physiol) PhD MED(Computer-integrated Education)(Pretoria)</td>
<td>Associate Professor</td>
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<td>Smith, S., MBChB(Free State) MPraxMed(Pretoria) FCFP(SA)</td>
<td>Adjunct Professor/ Senior Medical Specialist</td>
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<td>Marcus, T.S., BSc(Econ)(London School of Economics) MSc PhD(Lodz, Poland)</td>
<td>Extraordinary Professor</td>
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<td>Engelbrecht, A., MBChB MMed(FamMed)(Pretoria) DA(SA)</td>
<td>Adjunct Professor/ Head: Clinical Unit (Emergency Medicine)</td>
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<td>Bondo, M.C., MBChB(Congo) MMed(FamMed)(Pretoria)</td>
<td>Senior Lecturer/ Head: Clinical Unit</td>
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<td>Chundu, R.C.M., BSc MBChB(Zambia) MMed(FamMed)(Pretoria)</td>
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<td>Heystek, M.J., MBChB MPraxMed(Pretoria)</td>
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<td>Nkombua, L., MD(Kinshasa) MMed(FamMed)(Pretoria)</td>
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<td>Ongole, J.J., MBChB(Makerere Univ) MMed(FamMed)(Pretoria)</td>
<td>Senior Lecturer/ Head: Clinical Unit</td>
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<td>FCFP(CMSA) Dip HIV Man(CMSA) MSc Epidemiology&amp;Biostatics(Witwatersrand)</td>
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Peters, F., MBChB(Pretoria) MFamMed(Free State) SGR(Unisa) …… Senior Lecturer/Principal Specialist/Head: Clinical Unit

Ukpe, I.S., MBChC(Calabar) DTM&H(London) …… Senior Lecturer/Head: Clinical Unit
   MMEd(FamMed)(Pretoria) FACTM(Australia) …… Head: Clinical Unit
Britz, E.N., MBChB MPraMed(Pretoria) …… Senior Lecturer/Senior Family Physician (Part-time)

Geyser, M.M., BSc(Computer Sci) MSc(Clinical Epidemiology) …… Senior Lecturer/MBChB MPraMed(Pretoria) BSc(Pharm)(Hons)
   (Potchefstroom) DipPEC(SA) FCEM(SA) …… Senior Family Physician
Zeke, N.P., MBChB(Transkei) MFamMed(Free State) …… Senior Lecturer/Senior Medical Specialist

Kenny, P.T., MBChB MPraMed(Pretoria) …… Senior Lecturer/Dip (Pall Med)(Cape Town) Family Physician
Lachowicz, R., MD(Poland) MMEd(FamMed)(Pretoria) …… Senior Lecturer/Medical Specialist
Tiamyu, M.Y., MBBC(Lagos) DipObs(SA) BSc(Stellenbosch) …… Senior Lecturer/MMEd(FamMed)(Medunsa) Medical Specialist
Adigun, K.R., MBChB MSc MWACPath FMCP(Nigeria)
   MMEd(FamMed)(Pretoria) …… Senior Lecturer/Family Physician

Angelova, A., MBChB(Bulgraria) MMEd(FamMed)(Pretoria) …… Senior Lecturer/Medical Specialist
Odutan, O.O., MMBS(Lagos) MMEd(FamMed)(Pretoria) DA(SA) …… Head Clinical Unit/H.Dip Surgery(SA) DObst(SA) Dip HIV(SA)
   Bac, M., Arts(Rotterdam) MMEd(FamMed)(Medunsa) …… Senior Lecturer/Family Physician
Duvenage, H.S., MBChB MMEd(FamMed)(Pretoria) …… Senior Lecturer/Family Physician

Hitchcock, S., MBChB(Cape Town) MPraMed(Pretoria) …… Senior Lecturer/Senior Dip(Pall Med)(Cape Town) Family Physician
Ibeziako, O.J., MBBS(Nigeria) MMEd(FamMed)(Pretoria) …… Senior Lecturer/Family Physician
Louw, J.M., MBChB(Pretoria) DTM&H(Witwatersrand) …… Senior Lecturer/MMEd(FamMed)(UL) Family Physician
Mahuma, P.F., MBChB(Cape Town) MMEd(FamMed)(Pretoria) …… Senior Lecturer/Family Physician
Ngoyi, K.T., MBChB(Kinshasha) MMEd(FamMed)(Pretoria) …… Senior Lecturer/Family Physician
Oosthuizen, S.J., MBChB MMEd(FamMed)(Pretoria) …… Senior Lecturer/District Family Physician

Rauf, W., BSc MBBS(Punjab) DipPEC(SA) …… Senior Lecturer/MMEd(FamMed)(Pretoria) Family Physician
Tshabala, Z., MMSc(Medical Science)(USA) …… Lecturer/Clinical Associate
Van Rooyen, M., MBChB MMEd(FamMed)(Pretoria) …… Senior Lecturer/Family Physician
Visser, C.A., MBChB DCEHM(Pretoria) MMEd(FamMed)(Medunsa) …… Senior Lecturer/Family Physician
Botha, L., MBChB MMed(Emergency Med)(Pretoria) .................................................Lecturer/Specialist (Emergency Medicine)
Hoffeldt, A., MBChB(Pretoria) ..................................................................................Lecturer
Kuther, A., MBChB(Pretoria) ......................................................................................Lecturer/Medical Specialist
Rossouw, T.M., MBChB MPhil(Stellenbosch) .............................................................Lecturer/Medical Specialist
Kruger, A., MBChB(Pretoria) MFamMed(Stellenbosch) ...........................................Lecturer/Medical Specialist
Rogers, D., MBChB(Cape Town) MRCGP(UK) DA(CMSA) ......................................Lecturer/Dipl Medical Education(PCMD UK) Family Physician
Joubert-Bultman, S.J., MBChB(Pretoria) .................................................................Lecturer
Klaas, N.E., Dipl in GenCommNursSci, Psych & Midwifery(Unisa) .......................Lecturer/Nurse
Meyer, E.D., MBChB(Pretoria) MSc(Bio-ethics & Health Law) (Witwatersrand) ........Lecturer
Mokone, D.N., MBChB(Kwazulu-Natal) MMed FamMed(Edunsa) .........................Lecturer/Family Physician
Musonda, J.S., BSc MBChB(UNZA) MMed(FamMed)(Pretoria) ...........................Extraordinary Lecturer/Medical Specialist
Netangaheni, T.R., BACur MACur PhD(Unisa) .........................................................Lecturer/Clinical Associate
Ngcobo, S., BClinical Medical Practice(Pretoria) .....................................................Lecturer/Clinical Associate
Rautenbach, A., MBChB(Free State) .................................................................Lecturer
Reinbrecht-Schütte, A., MBChB MMed(FamMed)(Pretoria) .................................Lecturer/Family Physician
Tshotetsi, L.Y., BSc HSE DCM(Malawi) ...............................................................Lecturer/Clinical Associate
Van Schalkwyk, R., Dipl in GenNurs & Midwifery Dipl in Psychiatry .................Lecturer/Nurse
BACur(NursAdmin & CommHealth) Dipl in NursEdu(Unisa) Dipl in IntCare(Pretoria) BA(Hons)(AdvNurs)(Unisa) Specialist

Department of Forensic Medicine
Saayman, G., MBChB MMed(Path:MedForens)(Pretoria) ......................................Professor/Head: FCForPath(SA)
Olickers, A., BSc MSc PhD(Pretoria) .................................................................Extraordinary Professor
Rossouw, S.H., MBChB MMed(MedForens) MA(Pretoria) ..................................Senior Lecturer/Head: Clinical Unit
Blumenthal, R., MBChB MMed(Path:MedForens)(Pretoria) .................................Senior Lecturer/FCForPath(SA) DipForensMed(SA) CML(Unisa)
Du Toit-Prinsloo, L., MBChB MMed(Path:MedForens)(Pretoria) .........................Senior Lecturer/FCForPath(SA) DipForensMed(SA)(Path) FCForPath(SA)
Verster, J., MBChB(Stellenbosch) DipForMed(SA)(Path) .......................................Senior Lecturer/FCForPath(SA)
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) .................................Extraordinary Lecturer
FCPath(SA)
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
Potgieter, J.J.C., MBChB MMed(FamMed) ...................................... Senior Lecturer/Principal Specialist
Nel, J.G., MBChB(Stellenbosch) MMed(Haemat)(Free State) ............... Lecturer/Specialist
Ntabeni, N.L., MBChB(Natal) MMed(Fam Med)(Pretoria) .................. Lecturer/Specialist
FCPathHaem(SA) ........................................................................ Professor/Specialist

Department of Immunology
Cockeran, R., BSc(Free State) BSc(Hons)(RAU) MSc PhD(Pretoria) ....... Associate Professor/Chief Specialist (Head)
Anderson, R., BSc(Hons)(Glasgow) MSc PhD(Witwatersrand) .......... Research Professor
Pepper, M.S., MBChB(Cape Town) PhD MD (Geneva) ....................... Professor
Theron, A.J., BSc MSc PhD(Pretoria) .............................................. Associate Professor/Principal Specialist
Cassol, S.A., BSc(Hons) MSc(Queens Univ) PhD(McGill, Canada) ...... Extraordinary Professor
Olckers, A., BSc MSc PhD(Pretoria) ................................................. Extraordinary Professor
Van der Merwe, S.W., MBChB MSc(Physiol)(Pretoria) ..................... Extraordinary Professor
Meyer, P.W.A., NDip Tech NH Dip Tech MTech(TUT) ....................... Senior Lecturer/PhD(Pretoria)
Cholo, M.C., BSc(Hons) MSc( Univ of the North) PhD(Pretoria) .......... Extraordinary Lecturer
Frenkel, L.M., BA MD(Kansas) ...................................................... Extraordinary Lecturer
Steel, H.C., BSc(Hons) MSc(Rhodes) PhD(Pretoria) ......................... Extraordinary Lecturer

Department of Internal Medicine
Tintinger, G.R., MBBCh(Witwatersrand) MMed PhD(Pretoria) .......... Professor/Chief Specialist
Retief, J.H., MMed(Int) MSc(Pretoria) ............................................ Professor/Head: Clinical Department
Ker, J.A., MBChB MMed(Int) MD(Pretoria) ...................................... Professor/Specialist/Head: Clinical Department
Ally, M.M.T.M., MBBCh(Witwatersrand) Rheumat FCP(SA) .............. Associate Professor/Head: Clinical Unit
Visser, S.S., MMed(Int) PhD (Pretoria) .......................................... Professor/Head: Clinical Unit
Van Zyl, D.G., MMed(Int)(Pretoria) FCP(SA) Dip PEC MSc ............... Adjunct Professor/PhD(Pretoria)
Rheeder, P., MBChB, MMed (Int) (Pretoria) MSc ......................... Professor/Principal Specialist
Stoltz, A.C., MBChB MMed(Int) BSc(Hons) MSc PhD(Pretoria) .......... Professor/Principal Specialist/Head: Clinical Unit
Muranda, A.Z., MBChB(Zimbabwe) Nephrology FCP(SA) ............... Senior Lecturer/Principal Specialist
Elleimden, S., MMed(Int)(Pretoria) .............................................. Senior Lecturer/Head: Clinical Unit
Kemp, T., MBChB MMed(Int)(Pretoria) ........................................... Senior Lecturer/Medical Specialist
Cert Endocrinology & Metab(SA)

Kgomo, M.K., MBChB FCP(SA) ........................................................ Senior Lecturer/Head: Endocrinology Unit

Nagel, G.J., MMed(Int)(Pretoria) DTG ........................................... Senior Lecturer/Head: Clinical Unit

Elnagar, A.A., MBChB(Univ Khartoum, Sudan) FCP(SA) MRCP(UK) ........................................... 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

Haffejee, A.I., MBChB MMed(Int)(Pretoria) ........................................... Senior Lecturer/Medical Specialist

Pannell, N., MBChB MMed(Int)(Pretoria) ........................................... Senior Lecturer/Medical Specialist

Smith, L., MBChB MMed(Pretoria) ........................................... Senior Lecturer/Medical Specialist

Ueckerman, V., MBChB MMed(Int)(Pretoria) ........................................... Senior Lecturer/Medical Specialist

De Villiers, M., MBChB(Pretoria) FCP(SA) ........................................... Lecturer/Medical Specialist

Kalpee, R.,MBChB MMed(Int)(Pretoria) ........................................... Lecturer/Medical Specialist

Nagel, G.J., MBChB MMed(Int)(Pretoria) ........................................... Lecturer/Medical Specialist

Nel, L., MBChB MMed(Int)(Pretoria) ........................................... Lecturer/Medical Specialist

Viviers, P.J., MBChB MMed(Int)(Pretoria) ........................................... Lecturer/Medical Specialist

Aung, S., MBChB ........................................... Lecturer/Principal Medical Officer

Human, S.J., MBChB DTM&H DCG DAAM ...................................... Lecturer/Principal Medical Officer

Louw, D., MPharmMed(Pretoria) ........................................... Junior Lecturer/Senior Medical Officer

**Dermatology Division**

Kgokolo,C.M., BPharm MBChB MMed(Derm) FCDerm(SA) ........................................... Senior Specialist (Head)

Maleka, F.M., MBChB MMed(Witwatersrand) FCDerm(SA) ........................................... Senior Lecturer/Senior Medical Specialist

BSc(Unin)

Tenea, D., MD(Bucharest) MBChB MMed(Derm)(Pretoria) ........................................... Senior Lecturer/Senior Medical Specialist

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Wentzel, L.F., BSc MBChB MMed(Med)(Pretoria) .........................................Senior Lecturer/
Senior Medical Specialist
Mokwena, T.T., MBChB(Pretoria) FCDerm(SA) ...........................................Lecturer/Medical Specialist

Department of Medical Microbiology
Mbelle, N.M., BSc(UBS) MSc(Cornell) MBChB........................................Professor/Chief
  DTM&H(Witwatersrand) FCPath(Micro) MMed(Witwatersrand) Specialist (Head)
Ehlers-Van der Zel, M.M., BSc(Agric) BSc(Agric)(Hons) ...........................................Professor/
  MSc(Agric) PhD(Pretoria) Post Doct (2 years) Senior Medical Scientist
Fourie, P.B., MSc(Zoology)(Pretoria) PhD(Witwatersrand) .........................Extraordinary Professor
Ahmed, K., BSc(Westville) MBChB(Natal) MMed(Micro)(Medunsa) Specialist
  FCPath(Micro) Senior Lecturer/
Ismail, N.A., MBChB FCPath(Micro) MMed(Micro)(Medunsa) ..................Senior Lecturer/
  DTM&H(Witwatersrand) PDIC(Stellenbosch) Specialist
Kock, M.M, BSc MSc PhD(Pretoria) ......................................................Senior Lecturer/
  Senior Medical Scientist
Lekalakala, M.R., BSc(Micro) MBChB(Medunsa) MMed(Micro)(Univ of Limpopo: Medunsa)
  DTM&H(Witwatersrand) PDIC(Stellenbosch) Specialist
Osman, E., MSc(Pharmacology) MBChB MD(Cape Town) .....................Senior Lecturer/
  DTM&H(Witwatersrand) Specialist
Peer, A.K., BSc(Westville) MSc MBChB(Ireland) .................................Senior Lecturer/
  MMed(KwaZulu-Natal) Specialist
Magazi, B.T., MBChB(Zimbabwe) DTM&H(Witwatersrand)
  Dip HIV Management MMed(Micro)(Pretoria) 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

Department of Medical Oncology
Dreosti, L.M., BSc(Hons) MBChB(Witwatersrand) FCP(SA) ......................Professor/
  Head: Clinical Department (Head)
Kempen, C.J., MBChB MMed(Int)(Pretoria) ...........................................Senior Lecturer/
  Medical Specialist
Khanyile, T.M., MBChB MMed(Int)(Medunsa) ...........................................Senior Lecturer/
  Medical Specialist
Seolwane, F.L., MBChB(Medunsa) FCP(SA) ...........................................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)(Pretoria) Extraordinary Lecturer
Minyuku, K.F., MBChB(Medunsa) .............................................................Lecturer/
  Medical Specialist
Anderson, L., MBChB(Pretoria) .............................................................Lecturer/Medical Officer
Burger, W., MBChB(Free State) .............................................................Lecturer/Medical Officer
Coetzer, B.J., MBChB(Pretoria) .............................................................Lecturer/Medical Officer
Klebanoff, S., MBChB(Rome) .................................................................Lecturer/Medical Officer
Limberis, C., MBChB(Witwatersrand) .....................................................Lecturer/Medical Officer
Roos, E.L., MBChB(Pretoria) ..................................................Lecturer/Medical Officer  
Agenbag, W.A., BPharm(Potchefstroom) .................................Research Officer  
Cronje, D., DipNurse ............................................................Research Officer  
Mkabele, M., BSc(Biochem)(Free State) ......................................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  

**Department of Medical Virology**  
Webber, L.M., MBChB MMed(Path)(Med Virol) DTH(Pretoria) ........Professor/  
Swanepoel, R., BVSc(Pretoria) DTVM PhD(Edinburgh) ...............Professor  
Taylor, M.B., MSc(Rhodes) DSc(Pretoria) MedSci PrSciNat ..........Associate Professor/  
Venter, M., BSc BSc(Hons) MSc(Pretoria) PhD(MedVirol)(Witwatersrand) .......Associate Professor/  
Bowyer, S.M., BSc(Unisa) MSc(Med) PhD(Witwatersrand) ..........Senior Lecturer/  
Myburgh, M., MBChB(Pretoria) FC Path(SA) (Virol)  
Mayaphi, S.H., MBChB(Medunsa) FCPath(SA)(Virol)  
Richter, K.L., MBChB(Pretoria) FCPath(SA)(Virol)  
Braack, L.E.O., BSc(Hons) PhD(Natal) ....................................Senior Research Fellow  

**Department of Neurology**  
Schutte, C-M., MBChB MMed(Neur) MD(Pretoria) .................Professor/  
Bartel, P.R., MA(Rhodes) Phd(Natal) FCP(Neur)(SA) ..............Professor:  
Kakaza, M., BSc(Rhodes) MBChB(WSU) DTE(Unisa) ...............Senior Lecturer/  
Pillay, M., MBChB MMed(Neur)(Pretoria) HDipl IntMed .............Senior Lecturer/  
Hiesgen, J., DrMed PhD(Medicine) Neurologist(Berlin) ..............Medical Specialist  

**Department of Neurosurgery**  
Mokgokong, M.S., BSc(Univ of the North) MBChB(Natal)  
MMed(Medunsa) FCS(SA) DSc(honoris causa)(Univen) ..........Professor/  
Jansen van Rensburg, M., MBChB(Witwatersrand)  
LK(C(SA)(Neurosurgery) FRCs(Edinburgh) ..................Emeritus Professor  
Moja, T.K.P., MBChB(Cape Town) FCS(SA)(Neurosurgery) ........Senior Lecturer/  

Department of Nuclear Medicine
Sathekge, M.M., MBChB MMed(Nucl Medicine)(Medunsa) ............... Professor/
PhD(Ghent, Belgium) MASSAf 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
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
Nonjola, L.B., BSc(Hons)(Medical Physics)(Free State) ................. Physicist/
Extraordinary Lecturer

Department of Obstetrics and Gynaecology
Lindeque, B.G., MBChB(Pretoria) MMed(O et G) MD(Stellenbosch) .... Professor/
GKOG(SA) M.Akad.SA Head: Clinical
Department (Head)
Pattinson, R.C., BSc MBChB(Witwatersrand) MMed(O et G) ........... Professor/
MD(Stellenbosch) FCOG(SA) MRCOG Head: Clinical
Department
Dreyer, G., MBChB MMed(O et G)(Pretoria) FCOG(SA) ................. Adjunct Professor/
PhD(Pretoria) Head: Clinical Unit
Snyman, L.C., MBChB MPraxMed MMed(O et G)(Pretoria) .......... Adjunct Professor/
FCOG(SA) Head: Clinical Unit
Amoko, D.H.A., MBChB(Makerere Univ, Kampala) .................... Senior Lecturer/
MSc(Community Medicine) MHSc(Univ British Columbia) ........ Head: Clinical Unit
MMed(O et G)(Univ of Limpopo) DTM&H(Witwatersrand)
Lombaard, HA du T., MBChB MMed(O et G)(Pretoria) ............... Senior Lecturer/
FCOG(SA) Head: Clinical Unit
Mouton, A., BSc(Pharm)(Potchefstroom) MBChB MPraxMed........... Senior Lecturer/
MMed(O et G)(Pretoria) FCOG(SA) 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) .......... Lecturer/Medical
FCOG(SA) Specialist
Adams, S., MBChB MMed(O et G)(Pretoria) FCOG(SA) ............... Lecturer/
Medical Specialist
Baloyi, S., MBChB MMed(O et G)(Pretoria) FCOG(SA) ............... Lecturer/
Medical Specialist
Du Plessis, J., MBChB MMed(O et G)(Pretoria) FCOG(SA) .......... Lecturer/
Medical Specialist
Makin, J.D., MBChB(Witwatersrand) BSc(Hons)(Stellenbosch) MSc(Clinical Epidemiology) .......... Lecturer/Medical Officer
Makwela, M.R., MBChB(Cape Town) MMed(O et G)(Pretoria) ...... Lecturer/
FCOG(SA) Medical Specialist
Mathonsi, N., MBChB MMed(O et G)(Pretoria) FCOG(SA) ..................Lecturer/
Medical Specialist
Nene, L.N.Z., MBChB 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
Makunyane, P.M.S., MBChB(Natal) FCS(Ophth)(Witwatersrand) .......Acting Head/
Senior Lecturer/
Senior Manager:
Medical Services
Asholi, A.A.O., MBChB(Alfatah) MMed(Ophth)(Pretoria) ..................Head: Clinical Unit/
Senior Lecturer/
Senior Manager:
Medical Services
Msutwana, S.E., MBChB FCS(Ophth)(Medunsa) ............................Head: Clinical Unit/
Senior Lecturer/
Medical Services
Rahman, K., MBChB(Witwatersrand) FCS(Ophth)(Pretoria) ..........Senior Lecturer
Aphane, M., MBChB(Natal) FCS(Ophth)(Pretoria) .......................Lecturer/
Medical Specialist
Carrim, S.S., MBChB(Medunsa) MMed(Ophth)(Pretoria) ..............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) ..........Adjunct Professor/
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
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
Sithebe, H., MBChB MMed(Orth)(Medunsa) FCOrth(SA) ............Lecturer/
Clinical Specialist
Greyling, P., MBChB MMed(Orth)(Pretoria) FC(Orth)(SA) ..........Lecturer/Specialist
Oosthuizen, B., MBChB MMed (Orth)(Pretoria)
C(Orth)(SA) ..........................................................Lecturer/Specialist
Department of Otorhinolaryngology
Tshifularo, M.I., MBChB(Medunsa) FRCS(Orl) FCS(Orl)(SA).................. Professor/Head: Clinical Department (Head)
Mulder, A.A.H., MBChB MPraxMed MMEd(Orl)(Pretoria) ................. Emeritus Professor

Department of Paediatrics
Green, R.J., MBChB MMEd(Paed) FCCP PhD(Witwatersrand).............. Professor
   Dip Allerg(SA) DCH(SA) FCP(SA) FAAAAI FRCP DSc(Pretoria) Head: Clinical
   Department (Head)
Delport, S.D., MMEd(Paed) MPharmMed PhD(Pretoria)...................... Associate Professor/Head: Clinical Unit
Smuts, I., BSc MMEd(Paed) FC Paed(SA) PhD(UNW)......................... Associate Professor/Head: Clinical Unit
Avenant, T.J., MBChB MMEd(Paed)(Pretoria) FC Paed(SA) .................. Adjunct Professor/Head: Clinical
Masekela, R., MBChB(Witwatersrand) MMEd(Paed)......................... Associate Professor/
   Dip allerg(SA) Cert Pulm(Paed)(SA) FCCP PhD(Pretoria) Medical Specialist
De Witt, T.W., MBChB MMEd(Paed) DTI(Pretoria) ......................... Adjunct Professor/
   Medical Specialist
Feucht, U., MBChB(Stellenbosch) FC(Paed)(SA)............................ Adjunct Professor/
   MMEd(Paed) Dip HIV Management(Pretoria) CAHM Head Clinical Unit
Reyners, D.T., FC(Paed)(SA) MRCP CH(London)......................... Adjunct Professor/
   Cert Med Oncology(Paed)(SA) Head: Clinical Unit
Forsyth, B.J., MBChB(Glasgow) DCH(Ireland) FRCP(Canada).............. Extraordinary Professor
   Goga, A.E., MBChB(Natal) DTM&H(Witwatersrand) DCH(SA) MSc MCH(London) FC(Paeds) MSc Epidemiology(New York) ..Extraordinary Professor
Haus, M., MBChB(Cape Town )MD .............................................. Extraordinary Professor
Hendrikscz, C.J., MBChB(Pretoria) MSc Dip Diving and Submarine.
   Medicine RCP(London) DCH(Leeds) FRCP ........................... Extraordinary Professor
   Takawira, F.F., FC(Paed)(SA) DTM&H MMEd(Paed)(Witwatersrand) Adjunct Professor/Head: Clinical Unit
Van Biljon, G., MMEd(Paed)(Pretoria) FCP(Paed)(SA)...................... Adjunct Professor/
   Medical Specialist
Wittenberg, D.F., MBChB(Cape Town) MD(Natal) FCP(SA) ............ Emeritus Professor
 Opperman, J.C., MMEd(Path) MMEd(Paed) DVG(Pretoria) ............. Senior Lecturer/
   DTM&H(Witwatersrand) Head: Clinical Unit
Brisley, T., MBChB MMEd(Paed) (Pretoria)............................... Senior Lecturer/
   Medical Specialist
Lubbe, E., MBChB(Pretoria) DA(SA) FC(Paed)(SA) ...................... Senior Lecturer/
   Cert(Paed) Neurology(CMSA) Medical Specialist
Mulaudzi, M.C., MBChB(Natal) MMEd(Paed)(Pretoria).................. Senior Lecturer/
   Dip HIV Management(SA) Medical Specialist
Cloete, J., MBChB(Stellenbosch) DCH(SA) MMEd(Paed)(Pretoria) ..Lecturer/
   Medical Specialist
Du Plessis, N.M., MBChB(Stellenbosch)................................. Lecturer/
   MMEd(Paed)(Pretoria) FC(Paed)(SA) Dip Allerg(SA) Medical Specialist
   Dip HIV Management(SA) Cert ID(Paed)(SA)
Joshi, J.A., MBChB(Witwatersrand) FC(Paed)(SA)...................... Lecturer/
   Medical Specialist
Lamb, G., MBBCh(Witwatersrand) Dip Allerg(SA) FC(Paed)(SA) …..Lecturer/ Medical Specialist
Lloyd, L.G., MBChB(Pretoria) DCH(SA) FC(Paed)(SA) …..Lecturer/ Medical Specialist
Masemola, K., MBChB(Medunsa) 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(Paeds)(SA) …..Lecturer/ Medical Specialist
Snyman, P.J., MBChB(Pretoria) FC(Paed)(SA) DipPEC(SA) …..Lecturer/ DCH(SA) Medical Specialist
Terblanche, A., MMed(Paed)(Pretoria) FC(Paeds)(SA) DipAllerg …..Lecturer/ Medical Specialist
Pangwa, N.L., MBChB (Medunsa) …..Lecturer/ Medical Officer
Thomas, W.N., Dip HIV Management(SA) MD(Ohio State Univ) …..Lecturer/ Medical Officer
Van Rooyen, E., MBChB MPHarmMed(Pretoria) DCH(SA) …..Lecturer/ Medical Officer

Department of Pharmacology
Greeff, O.B.W., MBChB MPHarmMed(Pretoria) FCFP(SA) …..Professor
  FFPM(RCP) MD(Psych)(KwaZulu-Natal) M.Akad.SA (Head)
Steenkamp, V., BSc BSc(Hons) MSc(Pretoria)
  PhD(Witwatersrand) HED(Unisa) …..Associate Professor
Cromarty, A.D., BSc BSc(Hons) MSc(Witwatersrand)
  PhD(Pretoria) …..Associate Professor
Porchet, H.C., MD PhD(Switzerland) …..Extraordinary Professor
Matjis, S., MBChB MPHarmMed(Pretoria) Dip PEC(SA) …..Senior Lecturer
Muntingh, G.L., BPPharm(Pretoria) MSc(Pharm) PhD(Medunsa) …..Senior Lecturer
Outhoff, K., MBChB(Cape Town) DipPharmMed FFPM(London) …..Senior Lecturer

Department of Physiology
Joubert, A.M., MSc PhD(Pretoria) …..Professor
  (Acting Head)
Krüger, P.E., MA(PhysEd) DPhil HED(Pretoria) …..Professor
Preterius, E., BSc(Hons) MSc(Stellenbosch) PhD DTE(Pretoria) …..Professor
Van Papendorp, D.H., MBChB(Pretoria) BSc(Hons)
  MSc PhD(Stellenbosch) M.AcadSA …..Emeritus Professor
(Applied part-time)
Apatu, R.S.K., MBChB(Ghana) PhD(Cantab) …..Associate Professor
Du Toit, P.J., BSc MSc PhD(Pretoria) …..Associate Professor
Viljoen, M., MSc PhD (Pretoria) PhD(Witwatersrand)
  Nat Dip(Microbiology) …..Emeritus Professor
Coetzee, M., BSc(DomSci)(Ed) MSc(Potchefstroom) PhD(Pretoria) …..Senior Lecturer
Punchoo, R., BSc(Hons) MBChB(KwaZulu-Natal)
  FCPPath(Chem) SA(Witwatersrand) …..Senior Lecturer
Soma, P., MBChB MSc(Pretoria) …..Senior Lecturer
Theron, A.E., MBChB BSc(Hons) MSc(Pretoria) …..Senior Lecturer
Wood, P.S., MA(HMS) DPhil(Pretoria) …..Senior Lecturer
Alummoottill, S., BSc MSc(India) …..Lecturer
Bipath, P., BSc MSc(Pretoria) …..Lecturer
Department of Psychiatry

Roos, J.L., MBChB MMEd(Psych) MD(Pretoria) .................................................. Professor/
    FC Psych(SA)(CMSA) Head: Clinical Department
(Head)
Krüger, C., MBBCh(Witwatersrand) MMEd(Psych)(Pretoria) .................. Professor/
    MD(Warwick) FC Psych(SA)(CMSA) Head: Clinical Unit
Van Staden, C.W., MBChB MMEd(Psych)(Pretoria) FTCL(London)
    UPLM(Unisa) MD(Warwick) FC Psych(SA)(CMSA) .................. Professor
Joubert, P.M., MBChB(Stellenbosch) MMEd(Psych)(Pretoria) .......... Adjunct Professor/
    FC Psych(SA)(CMSA) Head: Clinical Unit
Van der Westhuizen, D., MBChB MMEd(Psych) MBA MD(Pretoria). Adjunct Professor/
    FC Psych(SA) ChildPsych(Cert)(CMSA) Head: Clinical Unit
Scholtz, J.G., BSocSci(RAU) BA(Hons) MA(ClinPsych)(Pretoria) ........ Adjunct Professor/
    DLitt et Phil(RAU) Principal Psychologist
De Wet, P.H., BChD MBChB MMEd(Psych)(Pretoria) .................. Adjunct Professor
    Forensic Psych(HPCSA) Cert Medicine and Law (Unisa) Head: Clinical Unit
Grobler, G.P., MBChB MMEd(Psych)(Pretoria) ........................................ Senior Lecturer/
    FC Psych(SA)(CMSA) Head: Clinical Unit
Böhmer, M. W., MBChB MMEd(Psych)(Pretoria) ........................................ Senior Lecturer/
    FC Psych(SA)(CMSA) Medical Specialist
Joubert, M., MBChB MMEd(Psych)(Pretoria) FC Psych(SA)(CMSA). Senior Lecturer/
    FC Psych(SA)(CMSA) Medical Specialist
Sokudela, B.F., MBBCh(Witwatersrand) MMEd(Psych)(Pretoria) ........ Senior Lecturer/
    FC Psych(SA)(CMSA) Medical Specialist
Mataboge, C.K., MBChB(Medunsa) MMEd(Psych)(Pretoria) ............ Senior Lecturer/
    FC Psych(SA)(CMSA) Medical Specialist
Maaroganye, K.S., MBChB(Natal) MMEd(Psych)(Pretoria) ............... Lecturer/
    FC Psych(SA)(CMSA) Medical Specialist
Du Plessis, A.M.E., BSc(Hons)(Physiology) .......................... Lecturer/
    MBChB MMEd(Psych)(Pretoria) Medical Specialist
Khamker, N., MBChB MMEd(Psych)(Pretoria) FC Psych(SA) ............ Lecturer/
    Dip(Obstr)(CMSA) Medical Specialist
Kotze, C., MBChB MMEd(Psych)(Pretoria) DMH(SA) ................... Lecturer/
    FC Psych(SA)(CMSA) Medical Specialist
Lippi, G., MBChB MMEd(Psych)(Pretoria) FC Psych(SA)(CMSA) ....... Lecturer/
    FC Psych(SA)(CMSA) Medical Specialist
Magagula, T.G., MD(Cuba) MBChB(Medunsa) DMH(SA) ................. Lecturer/
    MMEd(Psych)(Pretoria) ChildPsych(Cert)(CMSA) Medical Specialist
Mataboge, R.H., MBChB DOH&M MMEd(Psych)(Pretoria) ............. Lecturer/
    FC Psych(SA)(CMSA) Medical Specialist
Naidu, K., MBChB MMed(Psych)(Pretoria) FC Psych(SA) ...................................Lecturer/ Medical Specialist
Phaswana, T.D., MBChB(Psych)(Pretoria) FC Psych(SA)(CMSA).....................Lecturer/ Medical Specialist
Poolee, J.M., MBChB(Medunsa) MMed(Psych)(Pretoria) .........................Lecturer/ FC Psych(SA) Medical Specialist
Coetzee, J.C., BA(Theology) BA(Hons)(Psych) ..................................................Lecturer/Psychologist
Fernihough, M., BSocSci BSocSci(Hons)(Pretoria) ........................................Lecturer/Psychologist
Hassim, J., BP Psych(Unisa) MA(ClinPsych) PhD(Pretoria) .....................Lecturer/Psychologist
Mare, L., BSc(Phys/Psych) BSc(Hon)(Psych) ......................................................Lecturer/Psychologist
Michael, K.S. BA(Lang) BA(Hons)(Psych) MA(ClinPsych)(Pretoria) ..........Lecturer/Psychologist
Morkel, M., BSocSci(Psych) BSocSci(Psych)(Hons) ........................................Lecturer/Psychologist
Schluep, N., BA(Soc. Work) BA(Pysch)(Pretoria) ..............................................Lecturer/Psychologist
Swanepoel, I., BA(Psych) BA(Hons)(Psych) MSc(MedApplPsych) .........Lecturer/Psychologist
Van Lelyveld, C.R., B(Psych) MA(Psych)(North-West) .........................Lecturer/Psychologist

Nelson Mandela Chair in Philosophy and Ethics of Mental Health
Van Staden, C.W., MBChB MMed(Psych)(Pretoria) FTCL(London) UPLM(Unisa) MD(Warwick) FCPsych(SA)(CMSA) .........................Professor/Head

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/ Senior Manager
Hospe, 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

Department of Radiotherapy
Lockhat, Z.I., MBChB(Natal) FFRad(D)(SA) ..................................................Associate Professor/ Head: Clinical Department (Head)
Ahmad, S., MBBS(Pakistan) FCRad(SA) ..........................................................Adjunct Professor/ Head: Clinical Unit
Health Sciences 2015

Khan, N., MBChB FCRad(SA) ............................................................... Adjunct Professor/ 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/ Head: Clinical Unit/ Specialist
Suleman, F.E., MBChB(Natal) FCRad(Diag)(SA) ..................................... Senior Lecturer/ Head: Clinical Unit
Van de Werke, I.E.A., MBChB DVG(Pretoria) DMRD FRCR(London) ....... Senior Lecturer/ Senior Medical Specialist
Davel, L., MBChB MMed(Rad)(Diag)(Pretoria) ..................................... Senior Lecturer/ Medical Specialist
Gongxeka, H.J.M., MBChB MMed(Rad)(Diag)(Pretoria) ......................... Senior Lecturer/ Medical Specialist
Thebe, D.C., MBChB MMed(Rad)(Diag)(Medunsa) ............................... Senior Lecturer/ Medical Specialist
Joseph, F., MBChB MMed(Rad)(Diag)(Pretoria) ..................................... Senior Lecturer/ Medical Specialist
Ahmed, R., MBChB PGDipGUS(Pretoria) ............................................. Senior Lecturer
Dada, N., MBChB PGDipGUS(Pretoria) ................................................ Senior Lecturer
De Korte, J., MBChB MMed(Rad)(Diag)(Pretoria) .................................. Senior Lecturer
Dippenaar, L., MBChB PGDipGUS(Pretoria) ......................................... Senior Lecturer
Swanepoel, D., MBChB PGDipGUS(Pretoria) ......................................... Senior Lecturer
Ismail, S.M.H., MBChB(Witwatersrand) ............................................. Junior Lecturer
Venter, A., MBChB(Pretoria) ............................................................ Junior Lecturer

Department of Surgery
Mokoena, T.R., MBChB(Natal) FRCS(Glasgow) DPhil(Oxford) ............... Professor/ Head: Clinical Department (Head)
Mulaudzi, T.V., MBChB(Natal) FCS(SA) .............................................. Adjunct Professor/ Head: Clinical Unit
Pretorius, J.P., MBChB MMed(Surg)(Pretoria) ..................................... Adjunct Professor/ Head: Dept Intensive Care
Ntle, L.M., MBChB(Natal) FCS(SA) .................................................... Adjunct Professor/ Head: Clinical Unit
Karusseit, V.O.L., MBChB MMed(Surg)(Pretoria) LKC(SA) ...................... Senior Lecturer
Du Plessis, H.J.C., MBChB MMed(Surg)(Pretoria) FCS(SA) FACS .......... Adjunct Professor/ Medical Specialist (Part-time)
Van der Walt, H., MBChB MMed(Surg)(Pretoria) FCS(SA) ....................... Extraordinary Professor (Part-time)
Van Marle, J., MBChB MMed(Surg)(Pretoria) FCS(SA) ......................... Extraordinary Professor (Part-time)
Maluleke, M.R., MBChB MMed(Surg)(Medunsa) FCS(SA) ...................... Senior Lecturer/ Head: Clinical Unit
Pienaar, B.H., MBChB(Pretoria) FRCPS(Glasgow) ...................................... Senior Lecturer/ Head: Clinical Unit
ChM(Cape Town) CEPW(Pretoria)
Baloyi, M.L., MBChB(Medunsa) FCS(SA) ................................................. Senior Lecturer/ Medical Specialist
Motabeng, T.G., MBChB MMed(Surg)(Medunsa) ........................................ Senior Lecturer/ Medical Specialist
Montwedi, O.D., MBChB(Medunsa) FCS(SA) ............................................. Senior Lecturer/ Medical Specialist
Ncgobo, T., MBChB(Medunsa) FCS(SA) ...................................................... 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 (Part-time)
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/ Medical Specialist (Part-time)
Maharaj, 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) ..................... Senior Lecturer/ Head: Clinical Unit
Magagula, N.C., MMed(Surg)(Pretoria) FCS(SA) ...................................... Lecturer/ Medical Specialist
Mtsahl, Z., MBChB(Natal) FRCS(Glasgow) .............................................. Lecturer/ Medical Specialist (Part-time)
Scharf, G., MBChB MMed(Surg)(Pretoria) FCS(SA) LLM(Unisa) ................. Lecturer/ Medical Specialist (Part-time)
Van Rooyen, MBChB MMed(Surg)(Pretoria) ............................................. Lecturer/ Medical Specialist (Part-time)
Van Wyk, G., MBChB(Pretoria) MMed(Surg)(Stellenbosch) ........................ Lecturer/ Medical Specialist (Part-time)
Welkovics, 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
Health Sciences 2015

Taszimirwa, T.T., MBChB HDipl Surgery(SA) .................................................Lecturer/Principal Medical Officer
Meintjes, N., BSc BSc(Hons)(Pretoria) ..................................................Principal Medical Scientist
Joubert, J.E.H., BNursSci(Hons)(Stellenbosch) ........................................Senior Research Officer
De Jager, S., Dipl in GenNursSci & Midwifery(Pretoria) ..........................Chief Professional Nurse

**Cardiothoracic Surgery Division**
Du Plessis, D.J., MBChB(Pretoria) ..................................................Professor/Head: Clinical Department (Head)
Jacobs, A.G., BSc(Western Cape) BSc(Hons) MSc ..........................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 Medical Officer
Van Niekerk, M.L., MBChB MMed(Surg)(Pretoria) ..............................Extraordinary Professor/Medical Specialist (Part-time)
De Villiers, M., MBChB MMed(Pretoria) FCPaedSurg(SA) .....................Lecturer/Medical Specialist

**Plastic Surgery Division**
Coetzee, P.F., MMed(Plast Surg)(Pretoria) ..........................................Emeritus Professor/Head: Clinical Unit
Landman, N., MBChB(Free State) FCS(SA) FCS(Plast Surg)(SA) ..........Lecturer/Medical Specialist
Van Der Merwe, H.J.M.G., MBChB MMed(Plast Surg)(Pretoria) ..........Lecturer/Medical Specialist (Part-time)
Maree, D.C., MBChB MMed(Plast Surg)(Pretoria) .................................Lecturer/Medical Specialist (Part-time)
Eksteen, E., FCS(Plast Surg)(SA) ..........................................................Lecturer/Medical Specialist (Part-time)

**Department of Urology**
Moshokoa, E.M., MBChB MMed(Urol)(Medunsa) FCS(Urol)(SA) ........Senior Lecturer/Head: Clinical Department (Head)
Abdul 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
Gaudji, B.G.R., MBChB(Abidjan) ................................................................. Senior Lecturer/
Medical Specialist
Kok, E.L., BA(Unisa) BA(Hons) MBChB(Pretoria) DTI .................. Senior Lecturer/
DPD(Cardiff) FECSM Medical Specialist
Debeil, Y., MBChB(Pretoria) FCS(Urol)(SA) ...................................... Lecturer/
Medical Specialist
Nothnagel, C.P., MBChB(Free State) ......................................................... Lecturer/
Medical Specialist
Marais, C.F., MBChB(Free State) ............................................................... Lecturer/
Medical Officer
Parbhoo, M.N.B., MBChB(Pretoria) .......................................................... Lecturer/
Medical Officer
Aneck-Hahn, N.H., DTech(BiomedTechnol)(TUT) ....................... Extraordinary Lecturer
Ijane, K.K., MBChB(Cape Town) FC(Urol)(SA) .................................. Lecturer/
Medical Specialist

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

STUDENT ADMINISTRATION
Cooper, R.R., BA(Pretoria) BA(Hons)(Unisa) ....................... Executive Head
Anthony, C.H. .................................................................................. Coordinator:
Applications and
Selection
Eksteen, E. .................................................................................. Coordinator:
Student Financing
Viljoen, M., BA BA(Hons) PGCHE MEd(Pretoria) ...................... Coordinator:
Undergraduate students
Strauss, J.A., BA HED(Pretoria) .................................................. Coordinator:
Postgraduate students
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/BChD 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:**
     BScHons, MSc and Master of Public Health (MPH): 30 June
     Diplomas: 30 June

     **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 and students with previous tertiary exposure.

3. **National Benchmark Test (NBT)**
   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 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 300 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) In terms of the selection procedure, candidates must pass English, Mathematics and Physical Science with at least a 5 rating code (60%–
(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 per SMS and in writing of the outcome of the selection.

(f) School leaving candidates with no previous tertiary exposure 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, to be considered for admission to MBChB I as from the second semester.

(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).

**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 English, Mathematics and Physical Science with at least a 5 rating code (60%-69%), and achieve an APS of at least 35, 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) School leaving candidates with no previous tertiary exposure, who have not been 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 to be considered 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.

• BSportSci: Regulation M.2B 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.

• HCert(SportScience): Regulation M.15 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 business, the University uses two official languages, namely
English and Afrikaans. In formal education the language of tuition is either English or Afrikaans, or both of these languages; provided that there is a demand and that it is academically and economically justifiable. However, it remains the student’s responsibility to ascertain on an annual basis in which language a module and any further level of that module is presented. In respect of administrative and other services, a student has the right to choose whether the University should communicate with him or her in English or Afrikaans. Where the University has the capacity, Sepedi is used as an additional language of communication.

**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 is available at www.up.ac.za/feesfunding

9. **Accommodation**

   Applications for accommodation in university residences for a particular year may be submitted as from 1 March the preceding year. Applications will be considered as long as places are available, 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 text books will be made available for all study programmes. However, regarding all study programmes, the lecturers concerned will supply information regarding prescribed books to students when lectures commence. For MBChB the undergraduate curriculum committee 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.

13. **Leave of absence**
   If it is impossible for a registered student at the University of Pretoria to continue with his/her studies/research in a specific year, but he/she intends to continue in the following year, the student must apply in writing to the dean of the relevant faculty for **leave of absence**. The application must include: full names, student number, address, reasons and period for leave of absence, for example the whole year, first semester (January to June) or second semester (July to December), name of supervisor (where applicable), and the student’s intentions for the period after his/her leave of absence. However, in accordance with the policy of the University of Pretoria, leave of absence is not granted for more than two years. Any outstanding fees should be paid in full upon the student's return from his/her leave of absence.

14. **Degree with distinction**
   Weighted averages (GPA), together with other faculty-specific criteria if applicable, are used at UP to calculate averages for the determination of distinctions.

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### 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 rules for the degrees published here are subject to change and may be amended prior to the commencement of the academic year in 2015.

The General Regulations (G Regulations) apply to all faculties of the University of Pretoria. It is expected of each student to familiarise himself or herself well with these regulations. Ignorance concerning these regulations will not be accepted as an excuse for any transgression.

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 the General Regulations, 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 50% 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 60% in the final Grade 12 examination in Mathematics, will be admitted to the module WTW 158 in Mathematics; and

(e) obtained at least 50% in the final Grade 12 examination in Mathematics, will be admitted to the module 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.

<table>
<thead>
<tr>
<th>Rating code</th>
<th>Rating</th>
<th>Marks %</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Outstanding achievement</td>
<td>80-100%</td>
</tr>
<tr>
<td>6</td>
<td>Meritorious achievement</td>
<td>70-79%</td>
</tr>
<tr>
<td>5</td>
<td>Substantial achievement</td>
<td>60-69%</td>
</tr>
<tr>
<td>4</td>
<td>Adequate achievement</td>
<td>50-59%</td>
</tr>
<tr>
<td>3</td>
<td>Moderate achievement</td>
<td>40-49%</td>
</tr>
<tr>
<td>2</td>
<td>Elementary achievement</td>
<td>30-39%</td>
</tr>
<tr>
<td>1</td>
<td>Not achieved</td>
<td>0-29%</td>
</tr>
</tbody>
</table>

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 considered in two categories, namely matriculants and university students.
- 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 and a Biographical Information questionnaire. 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 BOccTher, BRad, BPhysT and BDietetics is based on academic merit, the National Benchmark Test and the Value-added Questionnaire.
- Selection for BCur is based on academic merit, the National Benchmark Test, Value-added Questionnaire and interview.
- Selection for BOH – Oral Hygiene – is based on academic merit and the National Benchmark Test.
1.5.3 Minimum subject and level requirements:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>English</td>
<td>Mathematics</td>
</tr>
<tr>
<td>MBChB</td>
<td>5 (60-69%) in English (at Home Language level or First Additional Language level)</td>
<td>5 (60-69%)</td>
</tr>
<tr>
<td>BClinical Medical Practice</td>
<td>4 (50-59%) in English (at Home Language level or First Additional Language level)</td>
<td>4 (50-59%)</td>
</tr>
<tr>
<td>BPhysT</td>
<td>4 (50-59%) in English (at Home Language level or First Additional Language level)</td>
<td>4 (50-59%)</td>
</tr>
<tr>
<td>BDietetics</td>
<td>4 (50-59%) in English (at Home Language level or First Additional Language level)</td>
<td>4 (50-59%)</td>
</tr>
<tr>
<td>BRad</td>
<td>4 (50-59%) in English (at Home Language level or First Additional Language level)</td>
<td>4 (50-59%)</td>
</tr>
<tr>
<td>BOccTher</td>
<td>4 (50-59%) in English (at Home Language level or First Additional Language level)</td>
<td>4 (50-59%)</td>
</tr>
<tr>
<td>BCur</td>
<td>4 (50-59%) in English (at Home Language level or First Additional Language level)</td>
<td>_</td>
</tr>
<tr>
<td>BChD</td>
<td>5 (60-69%) in English (at Home Language level or First Additional Language level)</td>
<td>5 (60-69%)</td>
</tr>
<tr>
<td>BOH</td>
<td>4 (50-59%) in English (at Home Language level or First Additional Language level)</td>
<td>4 (50-59%)</td>
</tr>
<tr>
<td>BSportSci</td>
<td>5 (60-69%) in English (at Home Language level or First Additional Language level)</td>
<td>5 (60-69%)</td>
</tr>
<tr>
<td>HCert(Sport Science)</td>
<td>4(50-59%) in English or Afrikaans (at Home Language level or First Additional Language level)</td>
<td>-</td>
</tr>
</tbody>
</table>

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 in the Faculty of Health Sciences, 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 (ELH modules) which they must pass as one of the requirements for obtaining their degree.

5. **Academic information management**

   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 the General Regulations, 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 the General Regulations, 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;
- Identification of students who did not obtain the required subminimum.
- 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 opportunity where applicable and the need for a specific remedial action will be defined at the examination moderating meeting. Such students must 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 four 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.
The following degrees, diplomas and certificates 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)
   (iv) Bachelor of Dentistry – [BChD] (5 years)
   (v) Bachelor of Oral Hygiene – [BOH] (3 years)
   (vi) Bachelor of Nursing Science – [BCur] (4 years)
   (vii) Bachelor of Nursing Science (Education and Administration) – [BCur(I et A)] (3 years)
   (viii) Bachelor of Radiography – [BRad] (3 years) (Fields of specialisation: Consult Reg. H.7)
   (ix) Bachelor of Occupational Therapy – [BOccTher] (4 years)
   (x) Bachelor of Physiotherapy – [BPhysT] (4 years)
   (xi) 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] (2 years part-time) [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.]
(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]
(iii) Doctor of Nursing – [DCur] (by virtue of publications)
(iv) Doctor of Occupational Therapy – [DOccTher] (1 year)
(iii) 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)
(iv) 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 Public Health Medicine – [DipPHM] (2 years)

(f) Certificate:
(i) Higher Certificate in Sports Science – [HCert (Sports Science)] (1 year full-time or 2 years extended programme)

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.

The General Regulations 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:
The General Regulations are applicable to bachelor’s degrees and *mutatis mutandis* to the undergraduate diploma.

**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.

**NOTE:** For students who registered for the BChD degree programme prior to 2014, the relevant regulations as they appear in the 2013 Yearbook will be applicable.

(a) **Duration**

Five years of full-time study.

(b) **Passing a module**

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:

(i) Evaluations regarding theoretical knowledge.
(ii) Evaluations regarding clinical knowledge and skills.
(iii) Compulsory attendance at and active participation in prescribed activities.
(iv) A final comprehensive module examination moderated by external examiners.

(c) **Repeating modules (and thus the year of study)**

(i) Students must pass all the modules 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 modules 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 modules, if the student complies with the following requirements regarding those modules:

- That the mark awarded to the relevant module was not awarded on the grounds of condonement;
- That the student attended the relevant module 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 the General Regulations, 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)).

(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 the General Regulations 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 the General Regulations: 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.

(iv) 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 a year of study for the second time before completing BChD II is excluded from the programme 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: 1038

Note:
(i) A new curriculum, as reflected below, is being phased in for the programme. The first year of study will be followed for the first time in 2014, the second year in 2015, the third year in 2016, the fourth year in 2017 and the fifth year in 2018.

(ii) The total credits and regulations for the degree programme in this publication are applicable to the new curriculum being phased in.

**New curriculum**

**First year**

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>General physics 131</td>
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<tr>
<td>People and their environment 112</td>
<td>MGW 112</td>
<td>6</td>
</tr>
<tr>
<td>Molecular and cell biology 111</td>
<td>MLB 111</td>
<td>16</td>
</tr>
<tr>
<td>Medical terminology 180</td>
<td>MTL 180</td>
<td>12</td>
</tr>
<tr>
<td>Chemistry 151</td>
<td>CMY 151</td>
<td>16</td>
</tr>
<tr>
<td>Science and world views 155</td>
<td>FIL 155</td>
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<tr>
<td>Anatomy 188</td>
<td>GNK 188</td>
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<td>Integrated dentistry 170</td>
<td>IDE 170</td>
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<tr>
<td>Public oral health 170</td>
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<tr>
<td>Sepedi 110</td>
<td>SEP 110</td>
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<tr>
<td>Academic information management 101</td>
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<tr>
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**Second year**

<table>
<thead>
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<td>Basic emergency care 286</td>
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<tr>
<td>Generic procedural skills 280</td>
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<td>Anatomy 289</td>
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<td>Physiology 270</td>
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<td>Integrated dentistry 270</td>
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<td>Public oral health 270</td>
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<td>Odontology 270</td>
<td>ODO 270</td>
<td>6</td>
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<td>Prosthodontics 270</td>
<td>PRD 270</td>
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<tr>
<td>IsiZulu 110</td>
<td>ZUL 110</td>
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<tr>
<td>Afrikaans 111</td>
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### Third year

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<tr>
<td>Applied medicine 370</td>
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<td>Clinical pharmacotherapy 370</td>
<td>FAR 370</td>
<td>8</td>
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<tr>
<td>Generic procedural skills 370</td>
<td>GPS 370</td>
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<td>Orthodontics 370</td>
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<tr>
<td>Orofacial surgery 370</td>
<td>OFC 370</td>
<td>12</td>
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<tr>
<td>Prosthodontics 370</td>
<td>PRD 370</td>
<td>41</td>
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<tr>
<td>Diagnostic imaging 370</td>
<td>RAD 370</td>
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<tr>
<td>Public oral health 370</td>
<td>POH 370</td>
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### Fourth year

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<thead>
<tr>
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<td>Comprehensive patient management 470</td>
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<td>Maxillofacial pathology 470</td>
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<tr>
<td>Periodontology 470</td>
<td>PDL 470</td>
<td>8</td>
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<tr>
<td>Orthodontics 470</td>
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<td>Orofacial surgery 470</td>
<td>OFC 470</td>
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<tr>
<td>Anaesthesiology 470</td>
<td>TMZ 470</td>
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<tr>
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### Fifth year

<table>
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<td>Periodontology 570</td>
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<tr>
<td>Orthodontics 570</td>
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<td>Orofacial surgery 570</td>
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**Note:**

(i) In 2015 the third to fifth year of study will still be followed according to the old curriculum, as reflected below.

(ii) Students who fail a year in the existing curriculum immediately prior to the year of the implementation of the revised curriculum will have to repeat all the modules for that particular year in the revised curriculum.

(iii) The total credits and regulations for the old curriculum appear in the 2013 Yearbook and are applicable for students who registered for the BChD degree programme prior to 2014.
## Old curriculum

### Second year

<table>
<thead>
<tr>
<th>Module</th>
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<tr>
<td>Homeostasis 280</td>
<td>BOK 280</td>
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<td>Anatomy (Dissection) 288</td>
<td>GNK 288</td>
<td>37</td>
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<tr>
<td>People and their environment 283</td>
<td>BOK 283</td>
<td>31</td>
</tr>
<tr>
<td>Pathological conditions 285</td>
<td>BOK 285</td>
<td>22</td>
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<tr>
<td>Infectious diseases 287</td>
<td>BOK 287</td>
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<tr>
<td>Basic emergency care 286</td>
<td>GNK 286</td>
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<td>Generic procedural skills 280</td>
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<td>Introduction to clinical dentistry 200</td>
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### Third year

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<td>Oral biology 370</td>
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</tr>
<tr>
<td>Applied medicine 370</td>
<td>TGG 370</td>
<td>11</td>
</tr>
<tr>
<td>Applied physiology 370</td>
<td>FSG 370</td>
<td>12</td>
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<tr>
<td>Clinical pharmacotherapy 370</td>
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<tr>
<td>Generic procedural skills 370</td>
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<td>Odontology 370</td>
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<td>Periodontology 370</td>
<td>PDL 370</td>
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<tr>
<td>Orthodontics 370</td>
<td>ORD 370</td>
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<tr>
<td>Orofacial surgery 370</td>
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<tr>
<td>Prosthodontics 370</td>
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<td>Diagnostic imaging 370</td>
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### Fourth year

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<tr>
<td>Comprehensive patient management 470</td>
<td>TBW 470</td>
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<td>Odontology 470</td>
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<tr>
<td>Maxillofacial pathology 470</td>
<td>MFP 470</td>
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<tr>
<td>Periodontology 470</td>
<td>PDL 470</td>
<td>8</td>
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<tr>
<td>Orthodontics 470</td>
<td>ORD 470</td>
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</tr>
<tr>
<td>Orofacial surgery 470</td>
<td>OFC 470</td>
<td>41</td>
</tr>
<tr>
<td>Prosthodontics 470</td>
<td>PRD 470</td>
<td>26</td>
</tr>
<tr>
<td>Community as patient 470</td>
<td>GAP 470</td>
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<tr>
<td>Anaesthesiology 470</td>
<td>TMZ 470</td>
<td>16</td>
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<tr>
<td>Diagnostic imaging 470</td>
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<tr>
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Fifth year

<table>
<thead>
<tr>
<th>Module</th>
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<tbody>
<tr>
<td>Comprehensive patient management 570</td>
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<tr>
<td>Prosthodontics 570</td>
<td>PRD 570</td>
<td>31</td>
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<tr>
<td>Community as patient 570</td>
<td>GAP 570</td>
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<tr>
<td>Diagnostic imaging 570</td>
<td>RAD 570</td>
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<tr>
<td><strong>Total credits:</strong></td>
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</tr>
</tbody>
</table>

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: ELH 111 and 112.
- 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 the omGeneral Regulations, 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

Modules

- SEP 110  Sepedi 110
Promotion modules
GNK 188 Anatomy 188
IDE 170 Integrated dentistry 170
POH 170 Public oral health 170

(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
Modules
ZUL 110 IsiZulu 110
AFR 111 Afrikaans 111
GPS 280 Generic procedural skills 280
Examination modules
GNK 289 Anatomy 289
Promotion modules
FSG 270 Physiology 270
MDB 270 Oral biology 270
IDE 270 Integrated dentistry 270
POH 270 Public oral health 270
Second semester
Modules
GNK 286 Basic emergency care 286
Examination modules
FSG 270 Physiology 270
MDB 270 Oral biology 270
Promotion modules
IDE 270 Integrated dentistry 270
POH 270 Public oral health 270
ODO 270 Odontology 270
PRD 270 Prosthodontics 270
(ii) Failed candidates
A student, who has failed a year of study for the second time before completing BChD II, is excluded from the programme and 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 modules 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
TGG 370 Applied medicine 370
FAR 370 Clinical pharmacotherapy 370
ANP 370 Anatomical pathology 370
GOM 370 General and oral microbiology 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  Orofacial surgery 370
PRD 370  Prosthodontics 370
RAD 370  Diagnostic Imaging 370
POH 370  Public oral health 370

(ii) Supplementary examinations
Concerning the examination modules:
As set out in the General Regulations.

(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  Anaesthesiology 470
RAD 470  Diagnostic imaging 470
POH 470  Public oral health 470

Promotion modules
ODO 470  Odontology 470
PDL 470  Periodontology 470
ORD 470  Orthodontics 470
OFC 470  Orofacial surgery 470
PRD 470  Prosthodontics 470
MFP 470  Maxillofacial pathology 470
TBW 470  Comprehensive patient management 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
- POH 570 Public oral health 570

*Examination modules*
- ODO 570 Odontology 570
- PDL 570 Periodontology 570
- ORD 570 Orthodontics 570
- OFC 570 Orofacial surgery 570
- PRD 570 Prosthodontics 570
- MFP 570 Maxillofacial pathology 570
- TBW 570 Comprehensive patient management 570

(ii) **Examinations**

(aa) 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.

(bb) A student who has failed the theoretical part of any module or any subsection thereof in the final examination, will be admitted to a supplementary examination in that part of the module. A student who fails the supplementary examination will be required to repeat the module and 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.

<table>
<thead>
<tr>
<th>D.1A Bachelor of Oral Hygiene [BOH]</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Code 11130011)</td>
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</table>

The General Regulations are applicable to bachelor’s degrees.

(a) **Admission requirements**
A valid National Senior Certificate (NSC) with admission for degree purposes.

**Admission Point Score (APS)**
Total of 25 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:
- English (Home language level or First additional language level): rating 4 (50-59%)
- Mathematics rating 4 (50-59%)
- Life Orientation (excluded when calculating the APS)

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

(c) **Curriculum**

(i) **First year of study**

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
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<tr>
<td><strong>Examination modules</strong></td>
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<tr>
<td>Academic competency in oral health 171</td>
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<tr>
<td>Anatomy 171</td>
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<td>Physiology 171</td>
<td>FLG 171</td>
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<tr>
<td>Microbiology and immunology 171</td>
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<td>MDB 171</td>
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</tr>
<tr>
<td><strong>Promotion modules</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odontology 171</td>
<td>ODO 171</td>
<td>12</td>
</tr>
<tr>
<td>Orthodontics 171</td>
<td>ORD 171</td>
<td>9</td>
</tr>
<tr>
<td>Periodontology 171</td>
<td>PDL 171</td>
<td>12</td>
</tr>
<tr>
<td>Comprehensive patient management 171</td>
<td>TBW 171</td>
<td>2</td>
</tr>
<tr>
<td>Preventive oral health 171</td>
<td>VKM 171</td>
<td>15</td>
</tr>
<tr>
<td>Academic information management 101</td>
<td>AIM 101</td>
<td>6</td>
</tr>
<tr>
<td>Academic English for Health Sciences 121,122</td>
<td>ELH 121, 122</td>
<td>12</td>
</tr>
<tr>
<td><strong>Attendance module</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First aid 171</td>
<td>NHS 171</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total credits:</strong></td>
<td></td>
<td>126</td>
</tr>
</tbody>
</table>

*The final examination for Oral biology (MDB 171) will take place at the end of the second semester together with Pharmacology (FAR 171) which is a semester module in the second semester.

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

| Examination modules                  |             |         |
| ODO 271 Odontology 271 (7)           |             |         |
| OFC 271 Orofacial surgery 271 (11)   |             |         |
| PDL 271 Periodontology 271 (11)      |             |         |
| ORD 271 Orthodontics 271 (6)         |             |         |
| GAP 271 Community as patient 271 (14)|             |         |

| Promotion modules                     |             |         |
| VKM 271 Preventive oral health 271 (58)|             |         |
| TBW 271 Comprehensive patient management 271 (3)| |         |
| RAD 271 Radiography 271 (20)          |             |         |
(iii) **Third year of study** (credits of modules indicated between brackets)

**Examination modules**
- RAD 371 Radiography 371 (20)
- 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)

**Attendance modules**
- GAP 371 Community as patient 371 (13)
- 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.

(iii) 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 years 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. Refer to the General Regulations.

(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 the General Regulations.

(a) Option 1: Main field of study: General (Field of study code 11252001):

(i) Admission requirements
Subject to the stipulations of the General Regulations, 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 the General Regulations, 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 the General Regulations, 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 Maxillofacial radiology and principles of surgery 800
- ANA 870 Anatomy 870
- FSG 806 Physiology 806
- FAR 809 Pharmacology 809

(A minimum of any two of the above basic subjects is required. These basic subjects may be passed at the University of Pretoria or the College of Maxillofacial 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 the General Regulations).

**Attendance course:**

TNM 800 Applied research methodology 800

Part II

KGM 891 Clinical training 891

Maxillofacial 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 the General Regulations).

Part III

MCH 800 Oral surgery 800

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

(c) **Option 3: Main field of study: Maxillofacial and Oral Radiology**  
(Field of study code: 11252005)

(i) **Admission requirements**  
Subject to the stipulations of the General Regulations, the BChD degree is required, as well as the Postgraduate Diploma in Dentistry [PGDipDent] in the main field of study (RAD) Radiography 700.

(ii) **Duration**  
As for Option 1.

(iii) **Curriculum**  
**Attendance course:**  
TNM 800 Applied research methodology 800  
**Major subject:**  
MPG 806 Maxillofacial and oral radiology 806  
**Basic subject:**  
RAD 801 Radiography 801  
**A dissertation** (RAD 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 the General Regulations.

(a) The MChD degree is conferred in the following fields of study:
Maxillofacial 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 the General Regulations.
(bb) be registered as a dentist with the Health Professions Council of South Africa.

(ii) For the MChD degree (endorsement Maxillofacial Surgery – Medical or Dental (Codes 11250091 and 11250011), a candidate

(aa) is required, subject to the stipulations of the General Regulations, 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 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 the General Regulations).

(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 Maxillofacial 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 years (for a candidate with a MBChB degree), or a minimum of five years (for MChD (ChirMaxFac-Dent)).

(d) **CURRICULA**

(1.) Maxillofacial and Oral Surgery

(1.1) Maxillofacial 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 Maxillofacial 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:** APA 808 General pathology 808

MPG 805 Oral pathology 805

BVC 806 Principles of surgery 806
Second year of study
Major subject: KGM 802 Maxillofacial and oral surgery 802
Examination subject: BVC 806 Principles of surgery 806

Third year of study
Major subject: KGM 802 Maxillofacial and oral surgery 802

Fourth year of study
Examination subject: KGM 802 Maxillofacial 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 Oral pathology

Second year of study
Major subject: KGM 802 Maxillofacial 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 Maxillofacial and oral surgery 802

BChD IV (Code 11130001)
As for BChD IV.

Fourth year of study
Major subject: KGM 802 Maxillofacial and oral surgery 802

BChD V (Code 11130001)
As for BChD V.

Fifth year of study
Major subject: KGM 802 Maxillofacial and oral surgery 802
Subsidiary subject: APA 808 General pathology 808
MPG 805 Oral pathology 805

Sixth year of study
Major subject: KGM 802 Maxillofacial and oral surgery 802

Seventh year of study
Major subject: KGM 802 Maxillofacial and oral surgery 802
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 Maxillofacial 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 Maxillofacial and oral surgery 802

**MBChB IV (Code 10130001)**
As for MBChB IV.

**Fourth year of study**

**Major subject:** KGM 802 Maxillofacial and oral surgery 802

**MBChB V (Code 10130001)**
As for MBChB V.

**Fifth year of study**

**Major subject:** KGM 802 Maxillofacial and oral surgery 802

**MBChB VI (Code 10130001)**
As for MBChB VI.

**Sixth year of study**

**Major subject:** KGM 802 Maxillofacial and oral surgery 802
**Subsidiary subject:** BVC 806 Principles of surgery 806

**Seventh year of study**

**Major subject:** KGM 802 Maxillofacial and oral surgery 802

**Eighth year of study**

**Major subject:** KGM 802 Maxillofacial and oral surgery 802

**Ninth year of study (first semester):**

**Examination subject:** KGM 802 Maxillofacial and oral surgery 802

**(1.2) Maxillofacial 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 Maxillofacial and oral surgery 802
Examination subject: BVC 806 Principles of surgery 806

Third and fourth years of study
Major subject: KGM 802 Maxillofacial and oral surgery 802

Fifth year of study (Research)
Examination subject: KGM 802 Maxillofacial and oral surgery 802

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. Maxillofacial and Oral Surgery

Major subject:
*Maxillofacial 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:
*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
- Otorhinolaryngology: 1 month
Plastic Surgery: 1 month  
Applied Oral Pathology: 3 months

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

1. A candidate with a BChD or BDS degree 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 Maxillofacial and Oral Surgery.
4. Basic and subsidiary (intermediary) subjects: Acknowledgement of basic and/or subsidiary (intermediary) subjects may be granted if all the particular subjects have already been passed at an approved institution such as the Colleges of South Africa (College of Maxillofacial 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 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 Maxillofacial 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 Maxillofacial 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 manuscript, surgical portfolio (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).
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:**
- RAD 800 Radiography 800
- KGM 800 Maxillofacial 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:** Five 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
- APA 808 General pathology 808
- MDB 800 Oral biology 800
**Subsidiary subjects:**
- MPG 803 Oral pathology 803
**Attendance courses:**
- 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  Maxillofacial and oral surgery 803  
                   ORD 800  Orthodontics 800  
                   RAD 870  Radiography 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 the General Regulations.)

(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 the General Regulations 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.

(vii) 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 Maxillofacial 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 Maxillofacial and Oral Surgery and a minimum pass mark of 65% from another tertiary institution (see also the General Regulations).

   (ii) **Examinations in the subsidiary (intermediary) subjects**
   (The minimum pass mark is 50%.)
   (aa) For the endorsement Maxillofacial 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 Maxillofacial 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 student has to reapply for admission to the final examination of the College of Maxillofacial and Oral Surgery of the Colleges of Medicine of South Africa.
   (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.
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.

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.

In addition to the stipulations already mentioned, the student must submit and pass a mini-dissertation (endorsement Maxillofacial Surgery-Med) or a dissertation (endorsement Maxillofacial Surgery-Dent), on an approved topic related to the major subject and submit a publication as required (see also the General Regulations). A complete record of operations (as a logbook) must also be submitted.

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 Maxillofacial and Oral Surgery of the Colleges of Medicine of South Africa when applicable, qualifies to obtain the degree with distinction.

The master's degree can only be conferred after the National Professional Examination [FCMFOS(SA)] has been passed (as this master's degree and the Fellowship may be used as an interwoven final equivalence examination).

2. MChD degree (Oral Pathology)

(i) Examinations in the basic subjects
A student must pass the basic subject Molecular pathology (MPX 800) at the University of Pretoria. The basic subject, Anatomical pathology (ANP 808) will be examined by the College of Pathologists as their Part I examination.

(ii) Examination and evaluation in the major subject
(aa) The final exit examination of the major subject (MPG 802) will be administered by the College of Pathologists. Only candidates who have met all the requirements for the MChD degree in Oral Pathology except for the major subject (final examination), i.e. passed all the prerequisite subjects; completed all applicable training as prescribed (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, will be allowed to write the College examination (exit examination) after which they will obtain both the FCP and the MChD as specialist qualifications.

(bb) The student must submit and pass a dissertation on an approved topic related to the major subject and submit a manuscript for publication as required.

(cc) A student who obtains a final mark of at least 75% (with the first attempt) in the major subject qualifies to obtain the degree with distinction.

(dd) Costs or fees for any examination(s) and registration at the Colleges of Medicine of South Africa have to be met by the student.
(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

<table>
<thead>
<tr>
<th>D.4</th>
<th>Doctor of Philosophy [PhD]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(11261001)</td>
</tr>
</tbody>
</table>

Also consult the General Regulations.

(a) **Admission requirement**
Subject to the stipulations of the General Regulations, a candidate will only be admitted to doctoral study, if he or she holds a master's degree. If Maxillofacial and Oral Surgery is chosen as main field of study, a minimum pass mark of 65% in either MScDent, or MChD (Maxillofacial 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 Maxillofacial 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 THW 990 Dental Sciences 990 is to be used for PhD projects that fall outside of the boundaries of departments.

<table>
<thead>
<tr>
<th>D.5</th>
<th>Doctor of Science [DSc]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Code 10262000)</td>
</tr>
</tbody>
</table>

The DSc degree is conferred on the basis of publications (consult the General Regulations).

(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.

D.7  Postgraduate Diploma in Dentistry [PGDipDent]

(a)  Admission requirements
Subject to the stipulations of the General Regulations, 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 Orofacial 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:  

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPG</td>
<td>Oral Pathology</td>
</tr>
<tr>
<td>END</td>
<td>Endodontics</td>
</tr>
<tr>
<td>ORD</td>
<td>Orthodontics</td>
</tr>
<tr>
<td>FOT</td>
<td>Forensic Odontology</td>
</tr>
<tr>
<td>PDD</td>
<td>Pedodontics</td>
</tr>
<tr>
<td>MCH</td>
<td>Oral Surgery</td>
</tr>
<tr>
<td>PDL</td>
<td>Periodontology</td>
</tr>
<tr>
<td>HTH</td>
<td>Restorative Dentistry</td>
</tr>
<tr>
<td>PTK</td>
<td>Prosthetics</td>
</tr>
<tr>
<td>MGK</td>
<td>Oral Medicine</td>
</tr>
<tr>
<td>MMB</td>
<td>Oral Microbiology</td>
</tr>
<tr>
<td>VTH</td>
<td>Preventive Dentistry</td>
</tr>
<tr>
<td>GTH</td>
<td>Community Dentistry</td>
</tr>
<tr>
<td>PRS</td>
<td>Practice Management</td>
</tr>
<tr>
<td>THM</td>
<td>Dental Materials</td>
</tr>
<tr>
<td>ADX</td>
<td>Aesthetic Dentistry</td>
</tr>
<tr>
<td>PDI</td>
<td>Implantology</td>
</tr>
<tr>
<td>PRD</td>
<td>Prosthodontics</td>
</tr>
<tr>
<td>RAD</td>
<td>Radiography</td>
</tr>
</tbody>
</table>

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

(ii)  Basic subject

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDB</td>
<td>Applied oral biology</td>
</tr>
<tr>
<td>CBA</td>
<td>Anatomy and principles of surgery</td>
</tr>
<tr>
<td>ANA</td>
<td>Anatomy</td>
</tr>
<tr>
<td>FSG</td>
<td>Physiology</td>
</tr>
</tbody>
</table>

70
FAR 709 Pharmacology 709
THM 710 Dental materials 710
RAD 710 Introductory radiography 710
RLE 710 Ethics and jurisprudence 710

**Note:**
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 Maxillofacial 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 and the main field of study may take place every semester. However, only one subject may be written per semester. In order to be admitted to the examination in the main field of study the student must pass the basic subject. A final mark of at least 50% is required to pass. Subject to exceptions approved by the Dean, on the recommendation of the head of department, a student may not enter for the postgraduate diploma’s examination in the same subject more than twice.

(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]
(No Code)

(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 Maxillofacial and oral surgery 701
- PRD 701 Prosthodontics 701
- MPG 702 Oral pathology 702
- PRS 701 Practice management 701
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.
1. **Pass requirements**

In accordance with the stipulations of the General Regulations, 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 July. In respect of second-semester modules, the first examination opportunity is in October/November and the second examination opportunity in November/December of the same year. Where students need to work additional clinical hours to be allowed to do a second examination, the Head of Department will determine the second examination opportunity.

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 24 hours after the results have been made public.

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 the General Regulations, 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. 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.

   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:**
     - SLK 110, 120;
     - SOH 254;
     - FSG 251, 252

   - **Department of Physiotherapy:**
     - SOH 254
     - FSG 251, 252, 261, 262
     - SLK 210
     - ANP 210
     - GMB 252, 253, 254
     - FAR 381, 382
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 the General Regulations, 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.

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### 1. UNDERGRADUATE AND POSTGRADUATE DEGREES IN THE SCHOOL OF HEALTHCARE SCIENCES

#### 1. DEGREES IN NURSING SCIENCE

<table>
<thead>
<tr>
<th>H.1</th>
<th>Bachelor of Nursing Science [BCur]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Code 10131011)</td>
</tr>
</tbody>
</table>

**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 4,000 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 31 May 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 passed with a rating code of 4 (50-59%).
   (cc) Life Orientation – excluded from APS calculation.
   (dd) The following subjects are **recommended**: Life Sciences, Mathematics and Physical Science.
   (ee) An APS of at least 28
   (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 **881** 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 on the next page:
<table>
<thead>
<tr>
<th>Curriculum Modules</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td>Module code</td>
<td>Module code</td>
<td>Module code</td>
<td>Module code</td>
</tr>
<tr>
<td>Anatomy</td>
<td>ANA 151, 152, 161, 162 (24)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medical terminology</td>
<td>MTL 180 (12)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic English for Health Sciences</td>
<td>ELH 121, 122 (12)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic Information management</td>
<td>AIM 101 (6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>African language: Sepedi/isiZulu</td>
<td>SEP 110 or ZUL 110 (12)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microbiology</td>
<td></td>
<td>GMB 252, 253, 254 (18)</td>
<td>FAR 381 (18), 382 (18)</td>
<td></td>
</tr>
<tr>
<td>Pharmacology</td>
<td></td>
<td>FSG 215, 252 (12)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physiology</td>
<td>FSG 161, 162 (24)</td>
<td>FSG 215, 252 (12)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
<td>SLK 110, 120 (24)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Systems of healthcare</td>
<td></td>
<td>SOH 254 (10)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td>Module code</td>
<td>Module code</td>
<td>Module code</td>
<td>Module code</td>
</tr>
<tr>
<td>Nursing studies</td>
<td>NUR 151, 152, 153, 154 (48)</td>
<td>NUR 251, 252, 253, 254, 255 (55)</td>
<td>NUR 351, 352, 353, 354 (72)</td>
<td>NUR 451, 452 (36)</td>
</tr>
<tr>
<td>Dynamics of nursing Practice</td>
<td>DNP 151, 152, 153, 154 (52)</td>
<td>DNP 251, 252, 253, 254 (36)</td>
<td>DNP 351, 352, 353*, 354* (60)</td>
<td>DNP 451, 452 (20)</td>
</tr>
<tr>
<td>Nursing practice education</td>
<td>NPE 161, 162 (48)</td>
<td>NPE 261, 262 (48)</td>
<td>NPE 361, 362 (60)</td>
<td>NPE 461, 462 (100)</td>
</tr>
<tr>
<td>Research in healthcare sciences</td>
<td></td>
<td></td>
<td></td>
<td>RHC 480 (16)</td>
</tr>
<tr>
<td><strong>Elective module</strong></td>
<td>Nursing studies</td>
<td></td>
<td></td>
<td>NUR 456 (40)</td>
</tr>
</tbody>
</table>

(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)

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 subspecialities 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

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

<table>
<thead>
<tr>
<th>Nursing Management (with Community nursing science as second major subject)</th>
<th>VPB Modules</th>
<th>VOW Modules</th>
<th>GVP Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing management (equivalent to 3 year modules)</td>
<td>VPB 110, 120, 160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Community nursing science (equivalent to 3 year modules)</td>
<td>GVP 110, 120, 160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing education theory (equivalent to a year module)</td>
<td>VOW 110, 120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial and organisational psychology (equivalent to a year module)</td>
<td>BDO 110, 120</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nursing Education (with Nursing management as second major subject)</th>
<th>VPB Modules</th>
<th>VOW Modules</th>
<th>GVP Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing education theory (equivalent to 3 year modules)</td>
<td>VOW 110, 120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Didactics of nursing education (equivalent to a year module)</td>
<td>DNE 110, 120, 160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing management (equivalent to 3 year modules)</td>
<td>VPB 110, 120, 160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial and organisational psychology (equivalent to a year module)</td>
<td>BDO 110, 120</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Community Nursing Science (with Nursing education as second major subject)</th>
<th>VPB Modules</th>
<th>VOW Modules</th>
<th>GVP Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community nursing science (equivalent to 3 year modules)</td>
<td>GVP 110, 120, 160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Module</td>
<td>Code</td>
<td>Code</td>
<td>Code</td>
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<tr>
<td>----------------------------------------------------------------------</td>
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<td>------------</td>
<td>------------</td>
</tr>
<tr>
<td>Nursing education theory (equivalent to 3 year modules)</td>
<td>VOW 110, 120</td>
<td>VOW 250, 260</td>
<td>VOW 300</td>
</tr>
<tr>
<td>Didactics of nursing education (equivalent to a year module)</td>
<td>DNE 110, 120, 160</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Nursing management (equivalent to a year module)</td>
<td>VPB 110, 120, 160</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Clinical Nursing Science</strong> (All subspecialties)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical nursing science (equivalent to 3 year modules)</td>
<td>KVG 110, 120</td>
<td>KVG 250, 260</td>
<td>KVG 300</td>
</tr>
<tr>
<td>Systems of nursing practice (equivalent to 3 year modules)</td>
<td>VPT 160</td>
<td>VPT 260</td>
<td>VPT 360</td>
</tr>
<tr>
<td><strong>Choose between:</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Nursing management (equivalent to a year module)</td>
<td>VPB 110, 120, 160</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nursing education theory (equivalent to a year module)</td>
<td>VOW 110, 120</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Nursing science practical work (equivalent to a year module)</td>
<td>-</td>
<td>VGK 201</td>
<td>-</td>
</tr>
<tr>
<td><strong>Elective modules</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(equivalent to 2 year modules, comprising KVG 250, 260 and VPT 260)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Clinical Nursing Science Subspecialities at 200 level:</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced midwifery and neonatal nursing science</td>
<td></td>
<td></td>
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<tr>
<td>Neonatal nursing science</td>
<td></td>
<td></td>
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<tr>
<td>Child nursing science</td>
<td></td>
<td></td>
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<tr>
<td>Critical care nursing science</td>
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<td></td>
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<tr>
<td>– General</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Critical care nursing – Paediatric</td>
<td></td>
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<tr>
<td>Critical care nursing – Trauma and emergency nursing</td>
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</tbody>
</table>
### Transitional measures
Students will be exempted from corresponding modules passed in the preceding seven (7) years.

### Promotion to a subsequent year of study
1. Consult the general requirements for promotion to a subsequent year of study in the School of Healthcare Sciences as set out in this publication.
2. KVG and VPT at 100 level are also prerequisites for VGK 201.
3. 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.
4. 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.
5. 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.
6. **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.

### 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.

### 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.

### Faculty certificates
1. 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.
2. Listing or registration with the SANC can be obtained in the following areas of specialisation, depending on the specific modules passed:
   - **Listing:**
     - Handling of Medicine in Nursing and the Physical Evaluation of Patients
   - **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).

<table>
<thead>
<tr>
<th>H.3</th>
<th>Bachelor of Nursing Science Honours [BCurHons]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Suspended until further notice.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>H.4</th>
<th>Master of Nursing Science [MCur]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Also consult the General Regulations.</td>
</tr>
</tbody>
</table>

(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 the General Regulations, 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 the General Regulations, 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.

**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:

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>ACN 861, 862&lt;br&gt; DNP 800&lt;br&gt; VNM 800</td>
</tr>
<tr>
<td>Year 2</td>
<td>ACN 871, 872&lt;br&gt; VGK 891</td>
</tr>
</tbody>
</table>

### Advanced Child Nursing Science (390 credits)

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>ACC 860, 861, 862&lt;br&gt; DNP 800&lt;br&gt; VNM 800</td>
</tr>
<tr>
<td>Year 2</td>
<td>ACC 870, 871, 872&lt;br&gt; VGK 891</td>
</tr>
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</table>

### Advanced Neonatal Nursing Science (390 credits)

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>ANN 860, 861, 862&lt;br&gt; DNP 800&lt;br&gt; VNM 800</td>
</tr>
<tr>
<td>Year 2</td>
<td>ANN 870, 871, 872&lt;br&gt; VGK 891</td>
</tr>
</tbody>
</table>

### Advanced Women's Health (320 credits)

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>AVN 861, 862&lt;br&gt; DNP 800&lt;br&gt; VNM 800</td>
</tr>
<tr>
<td>Year 2</td>
<td>AVN 871, 872&lt;br&gt; VGK 891</td>
</tr>
</tbody>
</table>

### Primary Curative Care (320 credits)

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>APC 861, 862&lt;br&gt; DNP 800&lt;br&gt; VNM 800</td>
</tr>
<tr>
<td>Year 2</td>
<td>APC 871, 872&lt;br&gt; VGK 891</td>
</tr>
</tbody>
</table>

### Non-clinical fields:

#### Nursing Management (320 credits)

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>ANX 861, 862&lt;br&gt; DNP 800&lt;br&gt; VNM 800</td>
</tr>
<tr>
<td>Year 2</td>
<td>ANX 871, 872&lt;br&gt; VGK 891</td>
</tr>
</tbody>
</table>

#### Nursing Education (320 credits)

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>ANZ 861, 862&lt;br&gt; DNP 800&lt;br&gt; VNM 800</td>
</tr>
<tr>
<td>Year 2</td>
<td>ANZ 871, 872&lt;br&gt; VGK 891</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>H.5 Doctor of Philosophy [PhD]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Field of study: Nursing Science</strong></td>
</tr>
<tr>
<td>Also consult the General Regulations</td>
</tr>
</tbody>
</table>

**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 the General Regulations, 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.

<table>
<thead>
<tr>
<th>H.6 Doctor of Nursing Science [DCur]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(10261001)</strong></td>
</tr>
</tbody>
</table>

Also consult the General Regulations.

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, Physical Science and English 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 of the programme
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: 431

(i) First year of study
The credit value per module is indicated in brackets after each module code in the table below:

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Academic information management 101</td>
<td>AIM 101 (6)</td>
</tr>
<tr>
<td>Academic English for Health Sciences 121, 122</td>
<td>ELH 121 (6) ELH 122 (6)</td>
</tr>
<tr>
<td>Radiographic anatomy 100</td>
<td>RAN 100 (20)</td>
</tr>
<tr>
<td>Radiation physics 110</td>
<td>RFI 110 (10)</td>
</tr>
<tr>
<td>Physiology 161, 162</td>
<td>FSG 161 (12) FSG 162 (12)</td>
</tr>
<tr>
<td>Medical terminology 180</td>
<td>MTL 180 (12)</td>
</tr>
<tr>
<td>African language: Sepedi 110/IsiZulu 110</td>
<td>SEP 110 or ZUL 110 (12)</td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td>RAW 182 (20)</td>
</tr>
<tr>
<td>Radiographic imaging 182</td>
<td>RAW 180 (50)</td>
</tr>
<tr>
<td>Radiography 180</td>
<td></td>
</tr>
</tbody>
</table>
(ii) **Second year of study**  
The credit value per module is indicated in brackets after each module code in the table on the following page.

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Radiographic anatomy 280</td>
<td>RAN 280 (10)</td>
</tr>
<tr>
<td>Radiation physics 210</td>
<td>RFI 210 (10)</td>
</tr>
<tr>
<td>Radiation physics 211</td>
<td>RFI 211 (10)</td>
</tr>
<tr>
<td>Physiology 251</td>
<td>FSG 251 (6)</td>
</tr>
<tr>
<td>Physiology 252</td>
<td>FSG 252 (6)</td>
</tr>
<tr>
<td>Physiology 262</td>
<td>FSG 262 (6)</td>
</tr>
<tr>
<td>Basic emergency care 286</td>
<td>GNK 286 (5)</td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Diagnostics</strong></td>
<td></td>
</tr>
<tr>
<td>Radiographic imaging 282</td>
<td>RAW 282 (20)</td>
</tr>
<tr>
<td>Radiography 280</td>
<td>RAW 280 (54)</td>
</tr>
<tr>
<td>Radiation therapy and nuclear medicine 284</td>
<td>RAW 284 (10)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Elective modules</strong></td>
<td>None</td>
</tr>
</tbody>
</table>

(iii) **Third year of study**  
The credit value per module is indicated in brackets after each module code in the table below.

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Radiographic anatomy 380</td>
<td>RAN 380 (10)</td>
</tr>
<tr>
<td>Radiation physics 310</td>
<td>RFI 310 (10)</td>
</tr>
<tr>
<td>Research in healthcare sciences 480</td>
<td>RHC 480 (16)</td>
</tr>
<tr>
<td>Anatomical pathology 210</td>
<td>ANP 210 (10)</td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Diagnostics</strong></td>
<td></td>
</tr>
<tr>
<td>Radiography 380</td>
<td>RAW 380 (52)</td>
</tr>
<tr>
<td>Radiography practice 382</td>
<td>RAW 382 (30)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Elective modules</strong></td>
<td>None</td>
</tr>
</tbody>
</table>

(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 Radiography 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 the General Regulations.

**Note:**  
All students must register for NVB 700 Research principles.

(a) **Requirements for admission**  
(i) Subject to the stipulations of the General Regulations, 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: Two years part-time
- Radiation Therapy: Two years part-time
- Nuclear Medicine: Two years part-time

(c) **Curriculum**  
(i) **Diagnostics (Code 10247062)**  
(The credit value of each module appears in brackets in the table below.)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Research principles 700</td>
<td>NVB 700 (20)</td>
</tr>
<tr>
<td>Radiographic anatomy 700</td>
<td>RAN 700 (20)</td>
</tr>
<tr>
<td>Anatomical pathology 703</td>
<td>ANP 703 (5)</td>
</tr>
<tr>
<td><strong>Core module</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Compulsory core module</strong></td>
<td></td>
</tr>
<tr>
<td>Essay 700</td>
<td>RSK 700 (30)</td>
</tr>
<tr>
<td><strong>Choose (in consultation with the Department) a total of 90 credits from the following core modules:</strong></td>
<td></td>
</tr>
<tr>
<td>Quality assurance 780</td>
<td>RAW 780 (30)</td>
</tr>
<tr>
<td>Image interpretation 781</td>
<td>RAW 781 (30)</td>
</tr>
<tr>
<td>Computer tomography 782</td>
<td>RAW 782 (30)</td>
</tr>
<tr>
<td>Magnetic resonance 783</td>
<td>RAW 783 (30)</td>
</tr>
<tr>
<td>Intervention 784</td>
<td>RAW 784 (30)</td>
</tr>
</tbody>
</table>

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.)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamental modules</td>
<td></td>
</tr>
<tr>
<td>Research principles 700</td>
<td>NVB 700 (20)</td>
</tr>
<tr>
<td>Core modules</td>
<td></td>
</tr>
<tr>
<td>Radiation therapy 700</td>
<td>RSZ 700 (50)</td>
</tr>
<tr>
<td>Dosage planning 700</td>
<td>DSB 700 (30)</td>
</tr>
<tr>
<td>Oncological behavioural science 700</td>
<td>OKG 700 (30)</td>
</tr>
<tr>
<td>Essay 700</td>
<td>RSK 700 (30)</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamental modules</td>
<td></td>
</tr>
<tr>
<td>Research principles 700</td>
<td>NVB 700 (20)</td>
</tr>
<tr>
<td>Core modules</td>
<td></td>
</tr>
<tr>
<td>Nuclear medicine 700</td>
<td>KDE 700 (30)</td>
</tr>
<tr>
<td>Radiopharmacology 700</td>
<td>RDF 700 (30)</td>
</tr>
<tr>
<td>Instrumentation 700</td>
<td>INX 700 (30)</td>
</tr>
<tr>
<td>Essay 700</td>
<td>RSK 700 (30)</td>
</tr>
</tbody>
</table>

**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.)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamental modules</td>
<td></td>
</tr>
<tr>
<td>Research principles 700</td>
<td>NVB 700 (20)</td>
</tr>
<tr>
<td>Core modules</td>
<td></td>
</tr>
<tr>
<td>Radiation therapy 701</td>
<td>RSZ 701 (40)</td>
</tr>
<tr>
<td>Essay 700</td>
<td>RSK 700 (30)</td>
</tr>
<tr>
<td>Radiotherapeutic dosage planning 700</td>
<td>RDB 700 (40)</td>
</tr>
<tr>
<td>Radiation physics and radio protection 700</td>
<td>SFR 700 (20)</td>
</tr>
<tr>
<td>Clinical oncology and tumour pathology 701</td>
<td>KOZ 701 (10)</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamental modules</td>
<td></td>
</tr>
<tr>
<td>Research principles 700</td>
<td>NVB 700 (20)</td>
</tr>
<tr>
<td>Core modules</td>
<td></td>
</tr>
<tr>
<td>Nuclear medicine 701</td>
<td>KDE 701 (30)</td>
</tr>
<tr>
<td>Essay 700</td>
<td>RSK 700 (30)</td>
</tr>
<tr>
<td>Theory of nuclear medicine 710</td>
<td>TKG 710 (30)</td>
</tr>
<tr>
<td>Radiochemistry and radiopharmacology 700</td>
<td>RCF 700 (25)</td>
</tr>
<tr>
<td>Radiation physics and instrumentation for nuclear medicine 700</td>
<td>SFI 700 (20)</td>
</tr>
</tbody>
</table>
(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.

<table>
<thead>
<tr>
<th>H.9 Master of Radiography [MRad]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Also consult General Regulations.</td>
</tr>
</tbody>
</table>

**Fields of specialisation**  
- Diagnostics (Code 10257001)  
- Nuclear Medicine (Code 10257021)  
- Radiation Therapy (Code 10257012)  

(a) **Requirements for admission**  
Subject to the stipulations of the General Regulations, 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.

<table>
<thead>
<tr>
<th>H.10 Doctor of Philosophy [PhD] (Code 10260571)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Also consult the General Regulations.</td>
</tr>
</tbody>
</table>

**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 the General Regulations, 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.

Note: Students who registered for BOccTher degree programme prior to 2015 will complete the degree according to the relevant regulations as published in the 2014 Yearbook.

(a) Requirements for admission
   (i) A National Senior Certificate with admission for degree purposes with English, Physical Science and Mathematics.
   (ii) In order to retain his or her selection, a student must obtain an APS of at least 30 in the final Grade 12-examination, as well as a 4 (50-59%) 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 589.

(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**

**Note:**

A revised curriculum as reflected below is being phased in for the programme. The revised first year of study will be followed for the first time in 2015, the second year of study in 2016, the third year of study in 2017 and the fourth year in 2018.

**Curriculum**

(Credit values per module appear in brackets in the table below.)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Anatomy 151, 152, 161, 162 (24)</td>
<td>ANA 151, 152, 161, 162</td>
</tr>
<tr>
<td>Academic English for Health Sciences 121,122 (12)</td>
<td>ELH 121, 122</td>
</tr>
<tr>
<td>Academic information management 101 (6)</td>
<td>AIM 101</td>
</tr>
<tr>
<td>Psychology 110, 120 (24)</td>
<td>SLK 110, 120</td>
</tr>
<tr>
<td>Physiology 161, 162 (24)</td>
<td>FSG 161, 162</td>
</tr>
<tr>
<td>Medical terminology 180 (12)</td>
<td>MTL 180</td>
</tr>
<tr>
<td>Basic emergency care 286 (5)</td>
<td>GNK 286</td>
</tr>
<tr>
<td>African language: Sepedi 110 or isiZulu 110 (12)</td>
<td>SEP 110 or ZUL 110</td>
</tr>
</tbody>
</table>

| Core modules                                |                               |
| Occupational science 100 (25)               | AKU 100                       |
| Occupational therapy 100 (16)               | ART 100                       |
| Integrated healthcare leadership 120 (8)    | IHL 120                       |

**Total number of credits required:** 168

**Important**

*The modules AIM 101 Academic information management and ELH 121 and 122 Academic English for Health Sciences 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)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Psychology 210, 220 (40)</td>
<td>SLK 210, 220</td>
</tr>
<tr>
<td>Physiology 251, 252, 261, 262 (24)</td>
<td>FSG 251, 252, 261, 262*</td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
</tr>
<tr>
<td>Occupational science 200 15</td>
<td>AKU 200</td>
</tr>
<tr>
<td>Occupational therapy 281 (12)</td>
<td>ART 281</td>
</tr>
<tr>
<td>Occupational therapy 282 (12)</td>
<td>ART 282</td>
</tr>
<tr>
<td>Occupational therapy 283 (12)</td>
<td>ART 283</td>
</tr>
<tr>
<td>Occupational therapy 284 (14)</td>
<td>ART 284</td>
</tr>
<tr>
<td>Integrated healthcare leadership 210 (8)</td>
<td>IHL 210</td>
</tr>
</tbody>
</table>

**Total number of credits required:** 137

*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)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Anatomical pathology 210 (10)</td>
<td>ANP 210</td>
</tr>
<tr>
<td>Research methodology in healthcare sciences 300 (30)</td>
<td>RHC 300</td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
</tr>
<tr>
<td>Occupational science 303 (20)</td>
<td>AKU 303</td>
</tr>
<tr>
<td>Occupational science 381 (25)</td>
<td>AKU 381</td>
</tr>
<tr>
<td>Occupational science 382 (25)</td>
<td>AKU 382</td>
</tr>
<tr>
<td>Occupational therapy 381 (20)</td>
<td>ART 381</td>
</tr>
<tr>
<td>Occupational therapy 382 (20)</td>
<td>ART 382</td>
</tr>
<tr>
<td>Integrated healthcare leadership 310 (8)</td>
<td>IHL 310</td>
</tr>
</tbody>
</table>

**Total number of credits required:** 158

(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)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Research in healthcare 400 (10)</td>
<td>RHC 400</td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
</tr>
<tr>
<td>Occupational therapy 401 (45)</td>
<td>ART 401</td>
</tr>
<tr>
<td>Occupational therapy 402 (45)</td>
<td>ART 402</td>
</tr>
</tbody>
</table>
Occupational science 400 (40)  
Integrated healthcare leadership 413 (5)  
AKU 400  
IHL 413

<table>
<thead>
<tr>
<th></th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total number of credits required:</strong></td>
<td>145</td>
</tr>
</tbody>
</table>

**Note:**
(i) Students who enrolled for the BOccTher degree programme prior to 2015, will complete the degree under the old curriculum.
(ii) Students who fail a year in the existing curriculum will be managed on an individual basis in the Department of Occupational Therapy.
(iii) The total credits and regulations for the old curriculum appear in the 2014 yearbook and are applicable for these students.

**Old curriculum:**

**First year of study:**

**Curriculum:**

(Credit values of modules appear in brackets)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Anatomy 151, 152, 161, 162 (24)</td>
<td>ANA 151, 152, 161, 162</td>
</tr>
<tr>
<td>Academic English for Health Sciences 121,122 (12)</td>
<td>ELH 121, 122</td>
</tr>
<tr>
<td>Academic information management 101 (6)</td>
<td>AIM 101</td>
</tr>
<tr>
<td>Psychology 110, 120 (24)</td>
<td>SLK 110, 120</td>
</tr>
<tr>
<td>Physiology 161, 162 (24)</td>
<td>FSG 161, 162</td>
</tr>
<tr>
<td>Medical terminology 180 (12)</td>
<td>MTL 180</td>
</tr>
<tr>
<td>Basic emergency care 286 (5)</td>
<td>GNK 286</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
</tr>
<tr>
<td>Occupational science 100 (25)</td>
<td>AKU 100</td>
</tr>
<tr>
<td>Occupational therapy 100 (16)</td>
<td>ART 100</td>
</tr>
</tbody>
</table>

**Total number of credits required:** 148

**Second year of study:**

**Curriculum:**

(Credit values of modules appear in brackets)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Psychology 210, 220 (40)</td>
<td>SLK 210, 220</td>
</tr>
<tr>
<td>Physiology 251, 252, 261, 262 (24)</td>
<td>FSG 251, 252, 261, 262*</td>
</tr>
<tr>
<td>Research and professional development 200 (10)</td>
<td>RPD 200</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
</tr>
<tr>
<td>Occupational science 200 (10)</td>
<td>AKU 200</td>
</tr>
<tr>
<td>Occupational therapy 281 (12)</td>
<td>ART 281</td>
</tr>
<tr>
<td>Occupational therapy 282 (12)</td>
<td>ART 282</td>
</tr>
<tr>
<td>Occupational therapy 283 (12)</td>
<td>ART 283</td>
</tr>
<tr>
<td>Occupational therapy 284 (14)</td>
<td>ART 284</td>
</tr>
</tbody>
</table>

**Total number of credits required:** 134
Third year of study

Curriculum:
(Credit values of modules appear in brackets)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Anatomical pathology 210 (10)</td>
<td>ANP 210</td>
</tr>
<tr>
<td>Research and professional development 380 (20)</td>
<td>RDP 380</td>
</tr>
<tr>
<td>African language: Sepedi 110 or IsiZulu 110 (12)</td>
<td>SEP110 or ZUL 110</td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
</tr>
<tr>
<td>Occupational science 303 (25)</td>
<td>AKU 303</td>
</tr>
<tr>
<td>Occupational science 381 (25)</td>
<td>AKU 381</td>
</tr>
<tr>
<td>Occupational science 382 (25)</td>
<td>AKU 382</td>
</tr>
<tr>
<td>Occupational therapy 381 (20)</td>
<td>ART 381</td>
</tr>
<tr>
<td>Occupational therapy 382 (20)</td>
<td>ART 382</td>
</tr>
<tr>
<td><strong>Total number of credits required</strong></td>
<td>157</td>
</tr>
</tbody>
</table>

Fourth year of study

Curriculum:
(Credit values of modules appear in brackets)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Research and professional development 481 (15)</td>
<td>RPD 481</td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
</tr>
<tr>
<td>Occupational therapy 401 (45)</td>
<td>ART 401</td>
</tr>
<tr>
<td>Occupational therapy 402 (45)</td>
<td>ART 402</td>
</tr>
<tr>
<td>Occupational science 400 (45)</td>
<td>AKU 400</td>
</tr>
<tr>
<td><strong>Total number of credits required:</strong></td>
<td>150</td>
</tr>
</tbody>
</table>

(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 has been passed for the BOccTherHons degree.)
(a) Admission requirements
   (i) Subject to the stipulations of the General Regulations, 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 have at least one year clinical experience in the proposed field of study (Community service year excluded).
   (iii) A student must hold at least a 15 hours per week position for the duration of study deemed applicable to the proposed field of study by the head of department.
   (iv) Fields of specialisation for the MOccTher degree with coursework are offered on an annual 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. Commencent of studies must, therefore, be discussed beforehand with the head of department.
   (v) For the MOccTher degree by virtue of research, a written structured letter of motivation must be submitted with the application on 31 October.

(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
(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)

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 the General Regulations, 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 the General Regulations.

Note:
For students who registered for the BPhysT degree programme prior to 2015, the relevant regulations as they appear in the 2014 Yearbook will apply.

(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 English, 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 the General Regulations, 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.

(vi) **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 636.

(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**

**Note:**

A revised curriculum as reflected below is being phased in for the programme. The revised first year of study will be followed for the first time in 2015, the second year in 2016, the third year in 2017 and the fourth year in 2018.

(i) **First year of study**

(Credit values indicated below are per module)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics 131</td>
<td>PHY 131</td>
<td>16</td>
<td>1</td>
</tr>
<tr>
<td>Chemistry 151</td>
<td>CMY 151</td>
<td>16</td>
<td>1</td>
</tr>
</tbody>
</table>
### Core modules

<table>
<thead>
<tr>
<th>Psychology 110</th>
<th>SLK 110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy 151, 152, 161, 162</td>
<td>ANA 151, 152, 161, 162</td>
</tr>
<tr>
<td>Physiology 161, 162</td>
<td>FSG 161, 162</td>
</tr>
<tr>
<td>Academic information management 101</td>
<td>AIM 101</td>
</tr>
<tr>
<td>Academic English for Health Sciences</td>
<td>ELH 121, 122</td>
</tr>
<tr>
<td>African language: Sepedi 110 or IsiZulu 110</td>
<td>SEP 110 or ZUL 110</td>
</tr>
</tbody>
</table>

**Core modules**

- **Physiotherapy 100**
- **Integrated healthcare leadership 120**

<table>
<thead>
<tr>
<th>Module</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTP 100</td>
<td>15</td>
<td>1 + 2</td>
</tr>
<tr>
<td>IHL 120</td>
<td>8</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total number of credits for the first year:** 145

(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**

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physiology 251, 252, 261, 262</td>
<td>FSG 251, 252, 261, 262</td>
<td>24</td>
<td>1+2</td>
</tr>
<tr>
<td>Anatomical pathology 210</td>
<td>ANP 210</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>Medical microbiology 252, 253, 254</td>
<td>GMB 252, 253, 254</td>
<td>18</td>
<td>1+2</td>
</tr>
<tr>
<td>Basic emergency care 286, Psychology 210</td>
<td>GNK 286, SLK 210</td>
<td>5, 20</td>
<td>1</td>
</tr>
</tbody>
</table>

| **Core modules** | | |
| Physiotherapy 203, Physiotherapy clinical practice 220 | FTP 203, FTP 220 | 45, 13 | 1+2, 2 |
| Integrated healthcare leadership 210 | IHL 210 | 8 | 1 |

**Total number of credits for the second year:** 143

(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 IHL 210

(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**

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research methodology for healthcare sciences 300</td>
<td>RHC 300</td>
<td>30</td>
<td>1 + 2</td>
</tr>
<tr>
<td>Pharmacology 381, 382</td>
<td>FAR 381, 382</td>
<td>36</td>
<td>1 + 2</td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physiotherapy 300</td>
<td>FTP 300</td>
<td>25</td>
<td>1 + 2</td>
</tr>
<tr>
<td>Physiotherapy clinical practice 301</td>
<td>FTP 301</td>
<td>50</td>
<td>1 + 2</td>
</tr>
<tr>
<td>Integrated healthcare leadership 310, 324</td>
<td>IHL 310, 324</td>
<td>8+8</td>
<td>1+2</td>
</tr>
<tr>
<td><strong>Total number of credits for the third year:</strong></td>
<td></td>
<td><strong>157</strong></td>
<td></td>
</tr>
</tbody>
</table>

(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 (IHL) Integrated healthcare leadership 310, 324.

(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**

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physiotherapy 400</td>
<td>FTP 400</td>
<td>20</td>
<td>1+2</td>
</tr>
<tr>
<td>Research in healthcare sciences 400</td>
<td>RHC 400</td>
<td>10</td>
<td>1 + 2</td>
</tr>
<tr>
<td>Physiotherapy clinical practice 402</td>
<td>FTP 402</td>
<td>88</td>
<td>1+2</td>
</tr>
<tr>
<td>Integrated healthcare leadership 414, 424</td>
<td>IHL 414, 424</td>
<td>8 + 8</td>
<td>1 + 2</td>
</tr>
</tbody>
</table>
Elective modules

<table>
<thead>
<tr>
<th>Module code</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total number of credits for the fourth year: 134

Note:
(i) Students who enrolled for the BPhysT degree programme prior to 2015, will complete the degree under the old curriculum.
(ii) Students who fail a year in the existing curriculum will be managed on an individual basis in the Department of Physiotherapy.
(iii) The total credits and regulations for the old curriculum appear in the 2014 yearbook and are applicable for these students.

Old curriculum

(i) First year of study

(Credit values indicated below are per module)

<table>
<thead>
<tr>
<th>Module code</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 131</td>
<td>16</td>
<td>1</td>
</tr>
<tr>
<td>CMY 151</td>
<td>16</td>
<td>1</td>
</tr>
<tr>
<td>SLK 110</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>ANA 151, 152, 161, 162</td>
<td>24</td>
<td>1 + 2</td>
</tr>
<tr>
<td>FSG 161, 162</td>
<td>24</td>
<td>2</td>
</tr>
<tr>
<td>AIM 101</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>ELH 121, 122</td>
<td>12</td>
<td>1 + 2</td>
</tr>
<tr>
<td>SEP 110 or ZUL 110</td>
<td>12</td>
<td>1</td>
</tr>
</tbody>
</table>

Total number of credits for the first year: 137

(ii) Subminimum

A subminimum of 40% is required in the theoretical as well as in the practical examination in FTP 100.

Second year of study

(i) Curriculum

<table>
<thead>
<tr>
<th>Module code</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSG 251, 252, 261, 262</td>
<td>24</td>
<td>1+2</td>
</tr>
<tr>
<td>ANP 210</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>SOH 254</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>GMB 252, 253, 254</td>
<td>18</td>
<td>1+2</td>
</tr>
<tr>
<td>GNK 286</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>SLK 210</td>
<td>20</td>
<td>1</td>
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</table>
(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 IHL 210.

(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**

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
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<th>Semester</th>
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<tr>
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<tr>
<td>Ethics and law in healthcare 310</td>
<td>MRZ 310</td>
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<tr>
<td>Research in healthcare sciences 480</td>
<td>RHC 480</td>
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<tr>
<td>Pharmacology 381, 382</td>
<td>FAR 381, 382</td>
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<tr>
<td>Physiotherapy 300</td>
<td>FTP 300</td>
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<tr>
<td>Professional development and leadership 300</td>
<td>POL 300</td>
<td>13</td>
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</table>

| Total number of credits for the third year: | **173** |
(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**

<table>
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<th>Semester</th>
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<td><strong>Core modules</strong></td>
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<td>POL 400</td>
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<td><strong>Elective modules</strong></td>
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**Total number of credits for the fourth year:** 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 (IHL 414, 424) Integrated healthcare leadership 414, 424.

(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 (IHL 414, 424) Integrated healthcare leadership 414, 424, 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 research report of RHC 400, Research in healthcare sciences 400, must submit an amended research report 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 (RHC 400) Research in healthcare sciences 400 and (IHL 414, 424) Integrated healthcare leadership 414, 424.

**H.17 Master of Physiotherapy [MPhysT]**

Also consult General Regulations.

(a) **Requirements for admission**

(i) Subject to the stipulations of the General Regulations, 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)**

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<thead>
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<th>Year 1</th>
<th></th>
<th>Module code</th>
<th>Credits</th>
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*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.

### Year 1

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### Year 2

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(cc) **Paediatrics (Code 10258172)**

**Year 1**

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**Year 2**

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

**Year 1**

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**Year 2**

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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

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Year 2

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* 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

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Year 2

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

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

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<td>FTK 808</td>
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Year 2

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<td>Pharmacology 871*</td>
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<td>Professional physiotherapy practice 801</td>
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<td>Clinical physiotherapy: Sports medicine 808</td>
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<td>Applied research methodology 800*</td>
<td>TNM 800</td>
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<tr>
<td>Research project 893</td>
<td>FTP 893</td>
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</table>

*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) Applied 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 the General Regulations, 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 the General Regulations 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.

Note:  
For students who registered for the BDietetics degree programme prior to 2015, the relevant regulations as they appear in the 2014 Yearbook will apply.

(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, Physical Science and English. 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 **819**. (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 at least 75% in the following modules: CNT 411, 480 jointly, as well as MNX 411, 480 jointly, and FSS 480.

(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**  
**Note:**  
_A revised curriculum as reflected below is being phased in for the programme. The revised first year of study will be followed for the first time in_
2015, the second year in 2016, the third year in 2017 and the fourth year in 2018.

(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.

Revised curriculum:

### First year of study

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<tr>
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<th>Parallel modules</th>
<th>Prerequisites</th>
<th>Credits</th>
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# Second year of study

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| Total credits per semester | 107 |

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<td>FLG 222 Digestion, endocrinology and reproductive systems 222</td>
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| Total credits per semester | 114 |
| Total credits second year (80/week) | 221 |
### Third year of study

#### First semester

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**Total credits per semester**: 110

#### Second semester

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<td>MNX 323 Medical nutrition therapy 323</td>
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<td>CNT 321 Community nutrition 321</td>
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<td>DTT 320 Clinic and discussion class 320</td>
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**Total credits per semester**: 147

**Fourth year of study**

#### First semester (10 weeks)

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<td>MNX 411 Medical nutrition therapy 411</td>
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<td>RHC 400 Research in healthcare sciences 400</td>
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<td>PRS 461 Practice management 461</td>
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**Total credits per semester**: 98

#### Second semester (27 weeks)

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<td>FSS 480</td>
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<td><strong>Total credits fourth year</strong></td>
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**Note:**
(i) Students who enrolled for the BDietetics degree programme prior to 2015 will complete the degree under the old curriculum.
(ii) The total credits and regulations for the old curriculum appear in the 2014 yearbook and are applicable for these students.

**Old curriculum:**

**First year of study**

<table>
<thead>
<tr>
<th>First semester</th>
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<th>Prerequisites</th>
<th>Credits</th>
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<td>PHY 131 Physics 131</td>
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<td>MLB 111 Molecular and cell biology 111</td>
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<tr>
<td>DTT 121 Application of communication principles in dietetics</td>
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<td>ANA 161 Anatomy of the torso 161</td>
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Second year of study

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<td>MGW 112 People and their environment 112</td>
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<td>MLB 111 CMY 111 GS, 127 GS PHY 131 GS</td>
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<tr>
<td>FLG 211 Introductory and physiology 211</td>
<td>-</td>
<td>As for FLG 211 CMY 111 GS, 127 GS</td>
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<tr>
<td>FLG 212 Circulatory physiology 212</td>
<td>-</td>
<td>CMY 117 GS CMY 127 GS MLB 111 GS</td>
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<td>BCM 251 Introduction to proteins and enzymes 251</td>
<td>-</td>
<td>CMY 117 GS CMY 127 GS MLB 111 GS</td>
<td>12</td>
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<tr>
<td>BCM 252 Carbohydrate metabolism 252</td>
<td>-</td>
<td>CMY 117 GS CMY 127 GS MLB 111 GS</td>
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<td>GMB 252 Medical microbiology 252</td>
<td>FLG 211, 221</td>
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<td><strong>Core modules</strong></td>
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<tr>
<td>VDS 210 Food 210</td>
<td>-</td>
<td>VDS 111</td>
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<td>HNT 210 Human nutrition 210</td>
<td>FLG 211, 212, 251</td>
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<th>Credits</th>
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<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
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<tr>
<td>FLG 221 Lung and kidney physiology, acid-base equilibrium and temperature 221</td>
<td>FLG 222</td>
<td>FLG 211, 212</td>
<td>12</td>
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<tr>
<td>FLG 222 Digestion, endocrinology and reproductive systems 222</td>
<td>FLG 221</td>
<td>FLG 211, 212</td>
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<td>BCM 261 Lipid and nitrogen metabolism 261</td>
<td>FLG 221, 222</td>
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<td>BCM 262 Biochemical principles of nutrition and toxicology 262</td>
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<td>FLG 211 GS, 212 GS</td>
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<td>MRZ 310 Ethics and law in healthcare 310</td>
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<td></td>
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<tr>
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<td>-</td>
<td>VDS 210</td>
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<td>HNT 220 Human nutrition 220</td>
<td>FLG 221, 222, 261</td>
<td>FLG 211 GS, 212 GS, 251</td>
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<td>DTT 222 Nutrition education 222</td>
<td>HNT 220</td>
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<td>18</td>
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## Third year of study

### First semester

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<tr>
<th>Parallel modules</th>
<th>Prerequisites</th>
<th>Credits</th>
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<tr>
<td><strong>Fundamental modules</strong></td>
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<tr>
<td>FLG 312 Developmental physiology 312</td>
<td>FLG 221, 222</td>
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<tr>
<td>FLG 314 Immunology 314</td>
<td>BCM 251, 252, 261, 262 GS</td>
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<td>FAR 381 Pharmacology 381</td>
<td>FLG 211, 212, 221, 222 GS</td>
<td>18</td>
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<tr>
<td><strong>Core modules</strong></td>
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<td></td>
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<tr>
<td>NTA 313 Nutritional assessment 313</td>
<td>3rd-year status</td>
<td>46</td>
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<tr>
<td>RCH 310 Research project 310</td>
<td>3rd-year status</td>
<td>20</td>
</tr>
<tr>
<td>DTT 310 Dietetic counselling 310</td>
<td>3rd-year status</td>
<td>20</td>
</tr>
<tr>
<td>MNX 310 Medical nutrition therapy 310</td>
<td>3rd-year status</td>
<td>9</td>
</tr>
<tr>
<td>CNT 310 Community nutrition 310</td>
<td>3rd-year status</td>
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<td><strong>Total credits per semester</strong></td>
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<table>
<thead>
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<th>Parallel modules</th>
<th>Prerequisites</th>
<th>Credits</th>
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<tr>
<td><strong>Second semester</strong></td>
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</tr>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAR 382 Pharmacology 382</td>
<td>FAR 381, FLG 211, 212, 221, 222 GS</td>
<td>18</td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
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<td></td>
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<tr>
<td>VDS 322 Food 322</td>
<td>VDS 210, VDS 221</td>
<td>31</td>
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<tr>
<td>VDB 321 Food service management 321</td>
<td></td>
<td>18</td>
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<tr>
<td>MNX 323 Medical nutrition therapy 323</td>
<td>3rd-year status</td>
<td>36</td>
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<td>CNT 320 Community nutrition 320</td>
<td>3rd-year status</td>
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<td>RCH 320 Research project 320</td>
<td>RCH 310</td>
<td>10</td>
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<td>DTT 320 Clinic and discussion class 320</td>
<td>DTT 310</td>
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<tr>
<td><strong>Total credits per semester</strong></td>
<td></td>
<td>122</td>
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</table>

### Fourth year of study

#### First semester (10 weeks)

<table>
<thead>
<tr>
<th>Parallel module</th>
<th>Prerequisite/s</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNT 411 Community nutrition 411</td>
<td>4th-year status</td>
<td>25</td>
</tr>
<tr>
<td>HNT 411 Human nutrition 411</td>
<td>4th-year status</td>
<td>18</td>
</tr>
<tr>
<td>MNX 411 Medical nutrition therapy 411</td>
<td>4th-year status</td>
<td>35</td>
</tr>
<tr>
<td>RCH 410 Research project 410</td>
<td>RCH 320</td>
<td>7</td>
</tr>
<tr>
<td>DTT 411 Dietetics profession 411</td>
<td>4th-year status</td>
<td>5</td>
</tr>
<tr>
<td>PRS 461 Practice management 461</td>
<td>4th-year status</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total credits per semester</strong></td>
<td></td>
<td>95</td>
</tr>
</tbody>
</table>
Second semester (27 weeks) | Parallel module | Prerequisite/s | Credits
--- | --- | --- | ---
DTT 480 Dietetics profession 480 | - | 4th-year status CNT 411 | 4
CNT 480 Community nutrition 480 | - | | 35
MNX 480 Medical nutrition therapy 480 | - | MNX 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 Science in Nutrition [BSc (Nutrition)]
(Code 03134013)

Also consult the General Regulations.

Note:
The BSc (Nutrition) degree programme is offered by the Faculty of Natural and Agricultural Sciences. Students are, however, enrolled for modules in both the Faculty of Natural and Agricultural Sciences and the Faculty of Health Sciences.

It is expected of students following the Public Health Nutrition option to undergo internship training. The module FNH 480 will be administered by the Department of Human Nutrition in the Faculty of Health Sciences.

A minimum of 636 credits are required to obtain the degree with the Option: Public Health Nutrition.

A minimum of 625 credits are required to obtain the degree with the Option: Nutritional Science.

Curriculum
First year of study

<table>
<thead>
<tr>
<th>First semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMY 117 General chemistry 117</td>
<td>16</td>
</tr>
<tr>
<td>FSG 110 Physiology 110</td>
<td>6</td>
</tr>
<tr>
<td>LST 110 Language and study skills 110</td>
<td>6</td>
</tr>
<tr>
<td>MLB 111 Molecular and cell biology 111</td>
<td>16</td>
</tr>
<tr>
<td>PHY 131 General physics 131</td>
<td>16</td>
</tr>
<tr>
<td>VDS 111 Basic food preparation 111</td>
<td>6</td>
</tr>
<tr>
<td>WTW 134 Mathematics 134</td>
<td>16</td>
</tr>
<tr>
<td><strong>Total credits per semester</strong></td>
<td><strong>82</strong></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Second semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIM 101 Academic information management 101*</td>
<td>6</td>
</tr>
<tr>
<td>BME 120 Biometry 120</td>
<td>16</td>
</tr>
<tr>
<td>CMY 127 General chemistry 127</td>
<td>16</td>
</tr>
<tr>
<td>FSG 120 Physiology 120</td>
<td>6</td>
</tr>
<tr>
<td>GTS 161 Introductory genetics 161</td>
<td>8</td>
</tr>
<tr>
<td><strong>Total credits per semester</strong></td>
<td><strong>82</strong></td>
</tr>
</tbody>
</table>
**Health Sciences 2015**

| MBY 161 Introduction to microbiology 161 | 8 |
| VDS 121 Basic food preparation 121 | 6 |
| **Total credits per semester** | **66** |
| *Students may enrol for AIM 111 and AIM 121 instead of AIM 101 (the same content presented over 2 semesters)* |
| **Total credits** | **148** |

### Second year of study

**First semester**

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCM 251 Introduction to proteins and enzymes 251</td>
</tr>
<tr>
<td>BCM 252 Carbohydrate metabolism 252</td>
</tr>
<tr>
<td>FLG 211 Introductory and neurophysiology 211</td>
</tr>
<tr>
<td>FLG 212 Circulatory physiology 212</td>
</tr>
<tr>
<td>HNT 210 Human nutrition 210</td>
</tr>
<tr>
<td><strong>Total credits per semester</strong></td>
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</table>

### Second semester

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>BCM 261 Lipid and nitrogen metabolism 261</td>
</tr>
<tr>
<td>BCM 262 Biochemical principles of nutrition and toxicology 262</td>
</tr>
<tr>
<td>FLG 221 Lung and renal physiology, acid-base balance and temperature 221</td>
</tr>
<tr>
<td>FLG 222 Digestion, endocrinology and reproductive systems 222</td>
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<tr>
<td>FST 260 Principles of food processing and preservation 260</td>
</tr>
<tr>
<td>HNT 220 Human nutrition 220</td>
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<td><strong>Total credits per semester</strong></td>
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### Third year of study

**First semester**

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>FST 355 Chemistry of macro- and micro-nutrients 355</td>
</tr>
<tr>
<td>RCH 310 Research project 310</td>
</tr>
<tr>
<td>MRZ 310 Ethics and law in healthcare 310</td>
</tr>
<tr>
<td>NTA 313 Nutritional assessment 313</td>
</tr>
</tbody>
</table>

#### Option 1: Public Health Nutrition

Additional core module:
CNT 310 Community nutrition 310 (12)

#### Option 2: Nutritional Science

Additional core module:
BCM 356 Macromolecules of life: Structure function and bioinformatics 356 (18)

**Total credits Option 1 = (104)**

**Total credits Option 2 = (110)**

**Second semester**

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCH 320 Research project 320</td>
</tr>
<tr>
<td>VWW 364 Food composition and applied nutritional programmes 364</td>
</tr>
</tbody>
</table>
VDS 354 Food safety and hygiene 354 12
FNH 320 Food and nutrition security 320 8

**Option 1: Public Health Nutrition**
Additional core modules:
- BCM 368 Molecular basis of diseases 368 (18)
- CNT 320 Community nutrition 320 (3)
- DTT 222 Nutrition education 222 (18)

**Option 2: Nutritional Science**
Additional core module:
- BCM 368 Molecular basis of diseases 368 (18)

Total credits Option 1 = (87)
Total credits Option 2 = (66)

Total credits Option 1: Public Health Nutrition = 191
Total credits Option 2: Nutritional Science = 176

**Fourth year of study**

**Option 1: Public Health Nutrition**

<table>
<thead>
<tr>
<th>First semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HNT 411 Advanced human nutrition 411</td>
<td>18</td>
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<tr>
<td>RCH 410 Research project 410</td>
<td>7</td>
</tr>
<tr>
<td>CNT 411 Community nutrition 411</td>
<td>25</td>
</tr>
<tr>
<td>VDS 417 Consumer aspects of food 417</td>
<td>15</td>
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<td><strong>Total credits per semester</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Second semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FNH 421 International nutrition 421</td>
<td>20</td>
</tr>
<tr>
<td>FNH 480 Internship training in public health nutrition 480</td>
<td>60</td>
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<td><strong>Total credits per semester</strong></td>
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<tr>
<td><strong>Total credits for Option 1</strong></td>
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</table>

**Option 2: Nutritional Science**

<table>
<thead>
<tr>
<th>First semester</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BME 210 Biometry 210</td>
<td>24</td>
</tr>
<tr>
<td>HNT 411 Advanced human nutrition 411</td>
<td>18</td>
</tr>
<tr>
<td>FST 400 Research methodology and seminar 400</td>
<td>20</td>
</tr>
<tr>
<td>FNH 400 Research project 400</td>
<td>20</td>
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<td><strong>Total credits per semester</strong></td>
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<table>
<thead>
<tr>
<th>Second semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FNH 420 Advanced food, nutrition and health 420</td>
<td>20</td>
</tr>
<tr>
<td>FNH 400 Research project 400</td>
<td>20</td>
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<tr>
<td>FNH 421 International nutrition 421</td>
<td>20</td>
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<td><strong>Total credits per semester</strong></td>
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<tr>
<td><strong>Total credits for Option 2</strong></td>
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*Please note:*
*For further programme details and prerequisites for modules, please consult the Faculty of Natural and Agricultural Sciences yearbook on the web.*
The prerequisites for some of the modules can be found in the alphabetical list of modules in this yearbook.

H.21 Bachelor of Dietetics Honours [BDieteticsHons]
Code (10240001)

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.22 Master of Dietetics [MDietetics]

Also consult General Regulations.

(a) Admission requirements
(i) Subject to the stipulations of the General Regulations, 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.

<table>
<thead>
<tr>
<th>Core modules</th>
<th>Credits</th>
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<tr>
<td>DEK 880 Introduction to research and nutrition epidemiology 880</td>
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<tr>
<td>DEK 881 Nutritional assessment 881</td>
<td>30</td>
</tr>
<tr>
<td>DEK 882 Literature study 882</td>
<td>20</td>
</tr>
<tr>
<td>One topic of own choice from: Medical nutrition therapy/ Community nutrition/ Food service system management</td>
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<table>
<thead>
<tr>
<th>Elective modules</th>
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<tr>
<td>(2 out of 8 options)</td>
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<td>DEK 804 Immuno-nutrition 804</td>
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<tr>
<td>DEK 805 Sports nutrition 805</td>
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<tr>
<td>DEK 806 Nutrition counselling 806</td>
<td>20</td>
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<tr>
<td>DEK 807 Diet-related non-communicable lifestyle diseases 807</td>
<td>20</td>
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<tr>
<td>DEK 808 Nutrition support 808</td>
<td>20</td>
</tr>
<tr>
<td>DEK 883 Micro-nutrient malnutrition 883</td>
<td>20</td>
</tr>
<tr>
<td>DEK 884 Early childhood nutrition intervention 884</td>
<td>20</td>
</tr>
<tr>
<td>DEK 809 Nutri-genomics 809</td>
<td>20</td>
</tr>
<tr>
<td>DEK 895 Essay: Dietetics 895</td>
<td>120</td>
</tr>
</tbody>
</table>

(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.23 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 requirements
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 the General Regulations, 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: Dietetics 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.24 Doctor of Philosophy [PhD]
(Code 10263061)

Also consult General Regulations.

Note:
All 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.
The degree is conferred by virtue of publications.
Also consult the General Regulations.

Degree code for Dietetics: 10262001
Degree code for other fields: 10262000

**H.26 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 the General Regulations, 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 C.S. 701 (30 credits)
- 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)

Discontinued until further notice.

D. Postgraduate Diploma in Group Activities [DGA]
(Code 10220151)

(a) Admission requirements
   (i) Subject to the stipulations of the General Regulations, 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCD 701</td>
<td>Normal development 701</td>
<td>20</td>
</tr>
<tr>
<td>DCD 702</td>
<td>Identification 702</td>
<td>30</td>
</tr>
<tr>
<td>DCD 703</td>
<td>Intervention for developmental disabilities 703</td>
<td>35</td>
</tr>
<tr>
<td>DCD 704</td>
<td>Intervention for disabilities 704</td>
<td>35</td>
</tr>
</tbody>
</table>

(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.

<table>
<thead>
<tr>
<th>F. Postgraduate Diploma in Hand Therapy [DHT]</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Code 10220161)</td>
</tr>
</tbody>
</table>

(a) **Admission requirements**

(i) Subject to the stipulations of the General Regulations, 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAN 701</td>
<td>Anatomy 701</td>
<td>10</td>
</tr>
<tr>
<td>FIP 701</td>
<td>Physiology and patho-physiology 701</td>
<td>10</td>
</tr>
</tbody>
</table>
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.
I. POSTGRADUATE DEGREES

P.1 Bachelor of Science Honours [BScHons]

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.
   (iv) Admission requirements for the honours degree programme in the field of Aerospace Medicine:
       - Candidates must have an MBChB or equivalent degree deemed acceptable by the head of the department.
       - Candidates must be registered Aviation Medical Examiners.

(b) Duration
   One year of full-time study (not applicable to the field of Aerospace Medicine)
   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 fields of study:

<table>
<thead>
<tr>
<th>Field of study</th>
<th>Degree code</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biostatistics</td>
<td>10244010</td>
<td>See par. (ii)</td>
</tr>
<tr>
<td>Aerospace Medicine</td>
<td>10244021</td>
<td>LRG 700</td>
</tr>
<tr>
<td>Occupational Hygiene</td>
<td>10244022</td>
<td>See par. (ii)</td>
</tr>
<tr>
<td>Environmental Health</td>
<td>10244023</td>
<td>See par. (ii)</td>
</tr>
</tbody>
</table>

(ii) The following requirements are set:
    - Advanced instruction by means of self-tuition, lectures and seminars.
    - Students must pass the module TNM 800 Applied research methodology 800.
    - Students must pass the module PHM 770 Learning in public health 770.
    - Students must pass a research report (or project) that carries at least 30 credits.
For the field of study, Biostatistics the following curriculum applies:

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOS 770</td>
<td>Principles of biostatistics 770</td>
<td>10</td>
</tr>
<tr>
<td>HME 770</td>
<td>Introduction to health measurement 770</td>
<td>10</td>
</tr>
<tr>
<td>PHM 770</td>
<td>Learning in public health 770</td>
<td>5</td>
</tr>
<tr>
<td>RAL 780</td>
<td>Applied regression analysis 780</td>
<td>20</td>
</tr>
<tr>
<td>MVA 710</td>
<td>Multivariate methods 1 710</td>
<td>20</td>
</tr>
<tr>
<td>MVA 720</td>
<td>Multivariate methods 2 720</td>
<td>20</td>
</tr>
<tr>
<td>TNM 800</td>
<td>Applied research methodology 800</td>
<td>5</td>
</tr>
<tr>
<td>BOS 774</td>
<td>Seminars in biostatistics 774</td>
<td>5</td>
</tr>
<tr>
<td>BOS 775</td>
<td>Biostatistics project 775</td>
<td>30</td>
</tr>
</tbody>
</table>

Minimum total credits 125

For the field of study, Occupational Hygiene the following curriculum applies:

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHM 770</td>
<td>Learning in public health 770</td>
<td>5</td>
</tr>
<tr>
<td>EOH 770</td>
<td>Introduction to environmental and occupational health 770</td>
<td>10</td>
</tr>
<tr>
<td>EHM 770</td>
<td>Basis of environmental health 770</td>
<td>5</td>
</tr>
<tr>
<td>HCL 771</td>
<td>Occupational health law 771</td>
<td>10</td>
</tr>
<tr>
<td>OHT 770</td>
<td>Principles of occupational hygiene and toxicology 770</td>
<td>10</td>
</tr>
<tr>
<td>EHM 771</td>
<td>Health risk assessment 771</td>
<td>10</td>
</tr>
<tr>
<td>HCM 773</td>
<td>Managing occupational health services 773</td>
<td>10</td>
</tr>
<tr>
<td>EOH 771</td>
<td>Environmental impact assessment and auditing 771</td>
<td>*15</td>
</tr>
<tr>
<td>EOH 772</td>
<td>Environmental change</td>
<td>*15</td>
</tr>
<tr>
<td>TNM 800</td>
<td>Applied research methodology 800</td>
<td>5</td>
</tr>
<tr>
<td>AOH 770</td>
<td>Research project 770</td>
<td>30</td>
</tr>
<tr>
<td>EOH 773</td>
<td>Summative assessment 773</td>
<td>0</td>
</tr>
</tbody>
</table>

Total 125

For the field of study, Environmental Health the following curriculum applies:

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHM 770</td>
<td>Learning in public health 770</td>
<td>5</td>
</tr>
<tr>
<td>EOH 770</td>
<td>Introduction to environmental and occupational health 770</td>
<td>10</td>
</tr>
<tr>
<td>EHM 770</td>
<td>Basis of environmental health 770</td>
<td>5</td>
</tr>
<tr>
<td>HCL 771</td>
<td>Occupational health law 771</td>
<td>10</td>
</tr>
<tr>
<td>OHT 770</td>
<td>Principles of occupational hygiene and toxicology 770</td>
<td>10</td>
</tr>
<tr>
<td>EHM 771</td>
<td>Health risk assessment 771</td>
<td>10</td>
</tr>
<tr>
<td>HCM 773</td>
<td>Managing occupational health services 773</td>
<td>10</td>
</tr>
<tr>
<td>ENV 785</td>
<td>Environmental impact assessment and auditing 785</td>
<td>15*</td>
</tr>
<tr>
<td>GGY 789</td>
<td>Environmental change 789</td>
<td>15*</td>
</tr>
<tr>
<td>TNM 800</td>
<td>Applied research methodology 800</td>
<td>5</td>
</tr>
</tbody>
</table>
Students who want to specialise in environmental health need to enrol for ENV 785 and GGY 789 to replace EOH 771 and EOH 772.

(d) **Examinations**

(i) The individual modules in each field of study must all be passed with a mark of at least 50% in each module, before a student may graduate in that field of study.

(ii) Each field of study has a specified, externally moderated, summative assessment that must also be passed before the student may graduate.

(e) **Degree with distinction**

The degree is conferred with distinction on a student who has obtained an average of at least 75% in the summative assessment, as well as an average of at least 75% for the remaining components of the curriculum (i.e. excluding the summative assessment mark).

<table>
<thead>
<tr>
<th>AOH 770</th>
<th>Research project 770</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOH 774</td>
<td>Summative assessment 774</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>125</td>
</tr>
</tbody>
</table>

P.2 **Master of Science [MSc]**

Also consult General Regulations.

(a) **Admission requirements**

Subject to the stipulations of the General Regulations, 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.

For admission to the field of study of Aerospace Medicine, an honours degree in Aerospace Medicine or another applicable honours degree is required.

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 the General Regulations, 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 specialisation**

The MSc degree is conferred in the following fields of study in the School of Health Systems and Public Health:

<table>
<thead>
<tr>
<th>Field of study</th>
<th>Degree code</th>
<th>Module codes</th>
<th>Dissertation code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Medicine</td>
<td>10253251</td>
<td>See par. (e)</td>
<td>See par. (e)</td>
</tr>
<tr>
<td>Biostatistics (Public Health)</td>
<td>10253110</td>
<td>See par. (e)</td>
<td>See par. (e)</td>
</tr>
<tr>
<td>Clinical Epidemiology</td>
<td>10253331</td>
<td>See par. (e)</td>
<td>See par. (e)</td>
</tr>
<tr>
<td>Public Health</td>
<td>10253291</td>
<td>See par. (e)</td>
<td>See par. (e)</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>10253321</td>
<td>See par. (e)</td>
<td>See par. (e)</td>
</tr>
<tr>
<td>Environmental Health</td>
<td>10253320</td>
<td>See par. (e)</td>
<td>See par. (e)</td>
</tr>
</tbody>
</table>

(e) **Curriculum**

**MSc in Environmental Health**

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMS 871</td>
<td>Scientific writing 871</td>
<td>5</td>
</tr>
<tr>
<td>PHM 870</td>
<td>Learning in public health 870</td>
<td>5</td>
</tr>
<tr>
<td>TNM 800</td>
<td>Applied research methodology 800</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td>EHM 890</td>
<td>Dissertation: Environmental health 890</td>
<td>180</td>
</tr>
</tbody>
</table>

**MSc in Epidemiology**

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMS 871</td>
<td>Scientific writing 871</td>
<td>5</td>
</tr>
<tr>
<td>PHM 870</td>
<td>Learning in public health 870</td>
<td>5</td>
</tr>
<tr>
<td>TNM 800</td>
<td>Applied research methodology 800</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td>BOS 870</td>
<td>Biostatistics (Part 1) 870</td>
<td>10</td>
</tr>
<tr>
<td>BOS 871</td>
<td>Biostatistics (Part 2) 871</td>
<td>10</td>
</tr>
<tr>
<td>HME 870</td>
<td>Epidemiology 1 870</td>
<td>10</td>
</tr>
<tr>
<td>EPM 870</td>
<td>Epidemiology 2 870</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong></td>
<td><strong>35</strong></td>
</tr>
<tr>
<td>BOS 873</td>
<td>Survival analysis 873</td>
<td>5</td>
</tr>
<tr>
<td>CDE 870</td>
<td>Principles of chronic disease epidemiology 870</td>
<td>5</td>
</tr>
<tr>
<td>CLI 870</td>
<td>Principles of clinical epidemiology 870</td>
<td>10</td>
</tr>
<tr>
<td>CDT 870</td>
<td>Infectious disease epidemiology 870</td>
<td>5</td>
</tr>
<tr>
<td>EPM 874</td>
<td>Disease surveillance 874</td>
<td>5</td>
</tr>
<tr>
<td>EHM 872</td>
<td>Methods in exposure assessment 872</td>
<td>10</td>
</tr>
<tr>
<td>EHM 871</td>
<td>Health risk assessment 871</td>
<td>10</td>
</tr>
</tbody>
</table>
### MSc in Clinical Epidemiology

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMS 871</td>
<td>Scientific writing 871</td>
<td>5</td>
</tr>
<tr>
<td>PHM 870</td>
<td>Learning in public health 870</td>
<td>5</td>
</tr>
<tr>
<td>TNM 800</td>
<td>Applied research methodology 800</td>
<td>5</td>
</tr>
<tr>
<td>BOS 870</td>
<td>Biostatistics (Part 1) 870</td>
<td>10</td>
</tr>
<tr>
<td>BOS 871</td>
<td>Biostatistics (Part 2) 871</td>
<td>10</td>
</tr>
<tr>
<td>CLI 870</td>
<td>Principles of clinical epidemiology 870</td>
<td>10</td>
</tr>
<tr>
<td>CLI 871</td>
<td>Evidence-based medicine 871</td>
<td>10</td>
</tr>
<tr>
<td>EPM 870</td>
<td>Analytical epidemiology 870</td>
<td>5</td>
</tr>
<tr>
<td>HME 870</td>
<td>Epidemiology 870</td>
<td>10</td>
</tr>
<tr>
<td>BOS 873</td>
<td>Survival analysis 873</td>
<td>5</td>
</tr>
<tr>
<td>CDE 870</td>
<td>Principles of chronic disease epidemiology 870</td>
<td>5</td>
</tr>
<tr>
<td>CDT 870</td>
<td>Infectious disease epidemiology 870</td>
<td>10</td>
</tr>
<tr>
<td>EHM 871</td>
<td>Health risk assessment 871</td>
<td>10</td>
</tr>
<tr>
<td>EHM 872</td>
<td>Methods in exposure assessment 872</td>
<td>10</td>
</tr>
<tr>
<td>QHR 870</td>
<td>Qualitative reasearch methods 870</td>
<td>10</td>
</tr>
</tbody>
</table>

**Subtotal electives required:** 10

**Minimum coursework required:** 80

*The choice of elective modules has to be approved by the supervisor.*

### MSc in Public Health

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMS 871</td>
<td>Scientific writing 871</td>
<td>5</td>
</tr>
<tr>
<td>PHM 870</td>
<td>Learning in public health 870</td>
<td>5</td>
</tr>
<tr>
<td>TNM 800</td>
<td>Applied research methodology 800</td>
<td>5</td>
</tr>
<tr>
<td>BOS 870</td>
<td>Biostatistics (Part 1) 870</td>
<td>10</td>
</tr>
<tr>
<td>BOS 871</td>
<td>Biostatistics (Part 2) 871</td>
<td>10</td>
</tr>
<tr>
<td>HME 870</td>
<td>Epidemiology 1 870</td>
<td>10</td>
</tr>
</tbody>
</table>

**Subtotal:** 30

*The choice of elective modules has to be approved by the supervisor.*
### Elective modules for students interested in monitoring and evaluation

<table>
<thead>
<tr>
<th>Module Code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPM 870</td>
<td>Epidemiology 2 870</td>
<td>5</td>
</tr>
<tr>
<td>CLI 870</td>
<td>Principles of clinical epidemiology 870</td>
<td>10</td>
</tr>
<tr>
<td>EPM 873</td>
<td>Conducting surveys 873</td>
<td>10</td>
</tr>
<tr>
<td>QHR 870</td>
<td>Qualitative research methods 870</td>
<td>10</td>
</tr>
<tr>
<td>EPM 874</td>
<td>Disease surveillance 874</td>
<td>5</td>
</tr>
<tr>
<td>HME 873</td>
<td>Monitoring and evaluation 873</td>
<td>15</td>
</tr>
</tbody>
</table>

**Subtotal electives required:** 40

Minimum coursework required: 80

---

### Elective modules for students interested in environmental health*

<table>
<thead>
<tr>
<th>Module Code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHM 871</td>
<td>Health risk assessment 871</td>
<td>10</td>
</tr>
<tr>
<td>EHM 872</td>
<td>Methods in exposure assessment 872</td>
<td>10</td>
</tr>
<tr>
<td>EHM 873</td>
<td>Environmental chemical pollution and health 873</td>
<td>5</td>
</tr>
<tr>
<td>EOH 871</td>
<td>Introduction to toxicology 871</td>
<td>5</td>
</tr>
<tr>
<td>EOM 870</td>
<td>Environmental epidemiology 870</td>
<td>10</td>
</tr>
<tr>
<td>EPM 873</td>
<td>Conducting surveys 873</td>
<td>10</td>
</tr>
</tbody>
</table>

**Subtotal electives required:** 40

Minimum coursework required: 80

---

The choice of elective modules has to be approved by the supervisor.

---

### MSc in Aerospace Medicine

<table>
<thead>
<tr>
<th>Module Code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMS 871</td>
<td>Scientific writing 871</td>
<td>5</td>
</tr>
<tr>
<td>PHM 870</td>
<td>Learning in public health 870</td>
<td>5</td>
</tr>
<tr>
<td>TNM 800</td>
<td>Applied research methodology 800</td>
<td>5</td>
</tr>
<tr>
<td>HME 872</td>
<td>Epidemiology primer 872</td>
<td>5</td>
</tr>
</tbody>
</table>

**Subtotal:** 20

<table>
<thead>
<tr>
<th>Module Code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRG 890</td>
<td>Dissertation 890</td>
<td>240</td>
</tr>
</tbody>
</table>

---

### MSc in Biostatistics (Public Health)

<table>
<thead>
<tr>
<th>Module Code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMS 871</td>
<td><strong>Fundamental modules:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Scientific writing 871</td>
<td>5</td>
</tr>
<tr>
<td>PHM 870</td>
<td>Learning in public health 870</td>
<td>5</td>
</tr>
<tr>
<td>TNM 800</td>
<td>Applied research methodology 800</td>
<td>5</td>
</tr>
</tbody>
</table>

**Subtotal:** 15

<table>
<thead>
<tr>
<th>Module Code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACM 873</td>
<td>Individual studies in public health 873</td>
<td>30</td>
</tr>
<tr>
<td>BOS 873</td>
<td>Survival analysis 873</td>
<td>5</td>
</tr>
<tr>
<td>EPM 870</td>
<td>Analytical epidemiology 870</td>
<td>5</td>
</tr>
</tbody>
</table>

**Subtotal:** 40

**Elective modules: Minimum of 25 credits to be obtained**

<table>
<thead>
<tr>
<th>Module Code</th>
<th>Module</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDE 870</td>
<td>Principles of chronic disease epidemiology 870</td>
<td>5</td>
</tr>
</tbody>
</table>
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).

Dissertation

A dissertation on an approved research project must be passed in addition to the coursework. The stipulations of the General Regulations regarding the preparation and submission, the technical editing and the résumé of the dissertation apply. 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 degree, provided that the module CLI 870 Principles of clinical epidemiology has been successfully completed. 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.

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 the General Regulations regarding the preparation and submission, the technical editing and the résumé of the dissertation apply.

(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.

<table>
<thead>
<tr>
<th>P.4 Master of Public Health [MPH] (Code 10256501)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Also consult General Regulations</td>
</tr>
</tbody>
</table>

(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 minimum credits required are divided between the different components of the MPH as follows:**

<table>
<thead>
<tr>
<th>MPH component</th>
<th>Credits</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core modules</td>
<td>75</td>
<td>37.5</td>
</tr>
<tr>
<td>Track modules (compulsory and elective)</td>
<td>60</td>
<td>30</td>
</tr>
<tr>
<td>Mini-dissertation</td>
<td>60</td>
<td>30</td>
</tr>
<tr>
<td>TNM 800</td>
<td>5</td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>200</td>
<td>100</td>
</tr>
</tbody>
</table>
### Core modules

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOS 870</td>
<td>Biostatistics 870 (Week 1 and 2)*</td>
<td>10</td>
</tr>
<tr>
<td>CDC 880</td>
<td>Introduction to disease control 880</td>
<td>10</td>
</tr>
<tr>
<td>EHM 880</td>
<td>Basis of environmental health 880</td>
<td>10</td>
</tr>
<tr>
<td>HCM 870</td>
<td>Introduction to health management 870 (Week I and 2*)</td>
<td>10</td>
</tr>
<tr>
<td>HME 870</td>
<td>Epidemiology 1 (Week 1 and 2*)</td>
<td>10</td>
</tr>
<tr>
<td>HMS 871</td>
<td>Scientific writing 871</td>
<td>5</td>
</tr>
<tr>
<td>SCM 880</td>
<td>Social determinants of health and primary healthcare 880</td>
<td>10</td>
</tr>
<tr>
<td>PHM 880</td>
<td>Learning in public health 880</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>75</strong></td>
</tr>
</tbody>
</table>

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

### Track modules (compulsory and elective)

The following areas are available:
- Biostatistics and epidemiology – Monitoring and evaluation
- Disease control
- Disease control – field Epidemiology and Laboratory Training programme
- Environmental and occupational health
- Environmental and occupational health – Occupational hygiene
- Environmental and occupational health – Aerospace medicine
- 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)

### 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 MPH track head, prior to submission to the Health Sciences Research Ethics Committee.

### 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 the General Regulations, 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 the General Regulations, 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:

<table>
<thead>
<tr>
<th>Field of study</th>
<th>Degree code</th>
<th>Examination code</th>
<th>Thesis code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Medicine</td>
<td>10263071</td>
<td>LRG 900</td>
<td>LRG 990</td>
</tr>
<tr>
<td>Community Health</td>
<td>10260401</td>
<td>GGS 900</td>
<td>GGS 990</td>
</tr>
<tr>
<td>Environmental Health</td>
<td>10260405</td>
<td>OGH 900</td>
<td>OGH 990</td>
</tr>
<tr>
<td>Epidemiology</td>
<td>10260404</td>
<td>EPI 900</td>
<td>EPI 990</td>
</tr>
<tr>
<td>Health Systems</td>
<td>10260402</td>
<td>GSL 900</td>
<td>GSL 990</td>
</tr>
<tr>
<td>Public Health</td>
<td>10260403</td>
<td>OGD 900</td>
<td>OGD 990</td>
</tr>
</tbody>
</table>

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)
   Option 1: Executive Leadership (Code 10220075)
   Option 2: General Operations (Code 10220076)
E. Postgraduate Diploma in Occupational Medicine and Health [DOMH] (Code 10220083)
F. Postgraduate Diploma in Occupational Health [DipOH] (Code 10220084)
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. All diploma programme summative assessments will be externally moderated.
(h) **Pass requirements**

(i) The minimum pass mark for prescribed modules and the summative assessment 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 (including the diploma-specific summative assessment) 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 a mark of at least 75% for the summative assessment and an average of at least 75% for all other required modules for the relevant diploma.
SCHOOL OF MEDICINE

DEGREES, POSTGRADUATE DIPLOMAS AND CERTIFICATES 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, and English (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 ELH modules excluded):
   - Fundamental modules: 246
   - Core modules: 905
   - Elective modules: 59
   Total: 1210

(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 end of the block assessment and 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:
The abovementioned block mark is more than 60%.

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.

A pass mark in the clinical rotation test.

Attendance of the block in question from day 1.

No conviction by the Faculty Preliminary Disciplinary Committee (Student offences), of any form of dishonesty or fraud.

A block examination is granted to all registered students regardless of the block mark.

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.

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.

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. Students are not allowed into patients’ homes or any other unauthorised facility.

A second examination in a block will be granted to all students who fail the block.

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.

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 the General Regulations, a minimum year or semester mark of 40% 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:

(i) Evaluations of theoretical knowledge.
(ii) Evaluations of clinical knowledge and skills.
(iii) 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 the General Regulations 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 the General Regulations, 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 relevant factors into consideration.

(f) **First year of study**

(i) **Curriculum**

<table>
<thead>
<tr>
<th>First semester</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMY Chemistry 151***</td>
<td>CMY 151</td>
<td>16</td>
</tr>
<tr>
<td>FIL Science and world views 155</td>
<td>FIL 155</td>
<td>6</td>
</tr>
<tr>
<td>MGW People and their environment 112</td>
<td>MGW 112</td>
<td>6</td>
</tr>
<tr>
<td>MLB Molecular and cell biology 111***</td>
<td>MLB 111</td>
<td>6</td>
</tr>
<tr>
<td>MTL Medical terminology 180</td>
<td>MTL 180</td>
<td>12</td>
</tr>
<tr>
<td>PHY General physics 131***</td>
<td>PHY 131</td>
<td>16</td>
</tr>
<tr>
<td>AIM Academic information management 101*</td>
<td>AIM 101</td>
<td>6</td>
</tr>
<tr>
<td>ELH Academic English for Health Sciences**</td>
<td>ELH 111</td>
<td>6</td>
</tr>
</tbody>
</table>

Total credits per semester (AIM and ELH modules excluded): 72

*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 all prescribed first-semester modules at 100 level will, in accordance with the stipulations of the General Regulations, automatically be admitted to the second semester of the first year of study.

During the second semester, the students who have failed modules may be admitted to an examination on an anti-semester basis, 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.

<table>
<thead>
<tr>
<th>Second semester</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1</td>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Molecule to organism 121</td>
<td>BOK 121</td>
</tr>
<tr>
<td></td>
<td>Orientation 120</td>
<td>GNK 120</td>
</tr>
</tbody>
</table>

152
SA 3
SA 14
ELH
LCP
SSM
*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**

<table>
<thead>
<tr>
<th>First semester</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Block 2</strong></td>
<td><strong>Fundamental modules</strong></td>
<td></td>
</tr>
<tr>
<td>Block 2</td>
<td>People and their environment 284</td>
<td>BOK 284</td>
</tr>
<tr>
<td>Block 3</td>
<td>Homeostasis 280</td>
<td>BOK 280</td>
</tr>
<tr>
<td>SA 4</td>
<td>Anatomy (Dissection) 288</td>
<td>GNK 288</td>
</tr>
<tr>
<td>GPS</td>
<td>Generic procedural skills 280</td>
<td>GPS 280</td>
</tr>
<tr>
<td>LCP</td>
<td>Longitudinal clinic attachment programme 280</td>
<td>LCP 280</td>
</tr>
<tr>
<td>SSM</td>
<td><strong>Elective module</strong></td>
<td></td>
</tr>
<tr>
<td>Special study module 211</td>
<td>SMO 211</td>
<td>5</td>
</tr>
</tbody>
</table>

**Total credits per semester:** 111
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.

<table>
<thead>
<tr>
<th>Second semester</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCP</td>
<td>LCP 280</td>
<td>-</td>
</tr>
<tr>
<td>Block 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core modules</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SA 5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SA 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SSM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective module</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GPS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GPS 285</td>
<td>BOK 285</td>
<td>22</td>
</tr>
<tr>
<td>GPS 287</td>
<td>BOK 287</td>
<td>23</td>
</tr>
<tr>
<td>GPS 283</td>
<td>GNK 283</td>
<td>10</td>
</tr>
<tr>
<td>GPS 286</td>
<td>GNK 286</td>
<td>5</td>
</tr>
<tr>
<td>Total credits per semester:</td>
<td>65</td>
<td></td>
</tr>
<tr>
<td>Total credits second year of study:</td>
<td>174</td>
<td></td>
</tr>
</tbody>
</table>

(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 with exception of SA9 for admission to the third year of study.

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

<table>
<thead>
<tr>
<th>First semester</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPS</td>
<td>GPS 380</td>
<td>5</td>
</tr>
<tr>
<td>LCP</td>
<td>LCP 380</td>
<td>5</td>
</tr>
<tr>
<td>Fundamental modules</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GPS 380</td>
<td>LCP 380</td>
<td>-</td>
</tr>
<tr>
<td>GPS 380</td>
<td>LCP 380</td>
<td>5</td>
</tr>
</tbody>
</table>

154
Block 6 | Core modules
---|---
Heart and blood vessels 381 | GNK 381 | 25
Lungs and chest 383 | GNK 383 | 20
Abdomen and mamma 380 | BOK 380 | 50
Haematological malignancies 386 | GNK 386 | 5

SSM | Elective modules
---|---
Special study module 311 | SMO 311 | 5
Special study module 380 | SMO 380 | 5
(Linked with BOK 380)

**Total credits per semester:** 115

<table>
<thead>
<tr>
<th>Second semester</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCP</td>
<td>Fundamental module</td>
<td>LCP 380</td>
</tr>
</tbody>
</table>

Block 9 | Core modules
---|---
Pregnancy and neonatology 382 | BOK 382 | 55
Elective 488 | GNK 488 | 23

SSM | Elective module
---|---
Special study module 382 | SMO 382 | 5
(Linked with BOK 382)

**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**

<table>
<thead>
<tr>
<th>First and second semester</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCP</td>
<td>Fundamental module</td>
<td>LCP 480</td>
</tr>
</tbody>
</table>

Block 10 | Core modules
---|---
Disorders of childhood 481 | GNK 481 | 31
Paediatrics morning rotation | |

Block 11 | Core modules
---|---
Genital and urinary tract diseases 480 | BOK 480 | 62
Gynaecology morning rotation |
Internal medicine morning rotation |
Urology morning rotation |

Block 12 | Core modules
---|---
Head and neck 485 | GNK 485 | 33
Otorhinolaryngology morning rotation | |
Block 13: Ophthalmology morning rotation
Nervous system 482
Neurology morning rotation

Block 14: Musculoskeletal conditions 483
Orthopaedics morning rotation

SA 7: Endocrinology 484
SA 8: Ageing 486
SA 11: Skin 487*
SA 16: Forensic medicine 482**

Elective modules
SA 6: Preceptorship 385
SSM: Special study module 411

Total credits fourth year: 217

*SA 11 (GNK 487) Skin 487 is preceded by one study week named SA 11a in the 4th year, 2nd semester.

Students who offer BOK 284 (25 credits) from 2015 will be required to offer and pass module GNK 482.

** SA 16 (GNK 482) Forensic medicine 482 will be offered for the first time in 2017. Students who passed BOK 284 prior to 2015 will not be required to offer this module as the contents were included in BOK 284 (31 credits).

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

<table>
<thead>
<tr>
<th>First semester</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental module</strong></td>
<td>LCP 580</td>
<td>-</td>
</tr>
<tr>
<td>Longitudinal clinic attachment programme 580</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Core modules</strong></td>
<td>GNK 581</td>
<td>34</td>
</tr>
<tr>
<td>Psychiatry and social dysfunction 581</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychiatry morning rotation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Block 15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health and healthcare 582</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Family medicine morning rotation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Block 16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forensic medicine morning rotation 587</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Block 17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traumatology 583</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surgery morning rotation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SA 15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GNK 582</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>GNK 587</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Block 17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**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 evaluations (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)**

<table>
<thead>
<tr>
<th>SIC</th>
<th>Semester (a): Surgery and related disciplines and Family Medicine</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core modules</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(i)</td>
<td>Surgery (7 weeks)</td>
<td>GNK 680</td>
<td>52</td>
</tr>
<tr>
<td>-</td>
<td>General surgery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Vascular surgery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Plastic surgery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Paediatric surgery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Cardiothoracic surgery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Neurosurgery (1 week)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ii)</td>
<td>Surgery-related subdisciplines (3 weeks)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Urology (2 weeks)</td>
<td>GNK 690</td>
<td>11</td>
</tr>
<tr>
<td>-</td>
<td>Orthopaedics (3 weeks)</td>
<td>GNK 681</td>
<td>17</td>
</tr>
<tr>
<td>-</td>
<td>1 week of exams</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iii)</td>
<td>Anaesthesiology and Family medicine (7 weeks)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Anaesthesiology (3½ weeks)</td>
<td>GNK 682</td>
<td>20</td>
</tr>
<tr>
<td>-</td>
<td>Family medicine (3½ weeks)</td>
<td>GNK 691</td>
<td>20</td>
</tr>
<tr>
<td><strong>Total credits per semester:</strong></td>
<td></td>
<td></td>
<td><strong>120</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SIC</th>
<th>Semester (b): Internal medicine and related sub-disciplines and psychiatry</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core modules</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(v)</td>
<td>Internal medicine (7 weeks)</td>
<td>GNK 683</td>
<td>45</td>
</tr>
<tr>
<td>(vi)</td>
<td>Internal medicine-related subdisciplines (3½ weeks)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Dermatology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Haematology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Cardiology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>Neurology (3½ weeks)</td>
<td>GNK 684</td>
<td>20</td>
</tr>
<tr>
<td>(vii)</td>
<td>Psychiatry (7 weeks)</td>
<td>GNK 693</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GNK 685</td>
<td>40</td>
</tr>
<tr>
<td><strong>Total credits per semester:</strong></td>
<td></td>
<td></td>
<td><strong>120</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SIC</th>
<th>Semester (c): Women’s and children’s health and community-based education</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core modules</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ix)</td>
<td>Obstetrics and gynaecology (7 weeks)</td>
<td>GNK 686</td>
<td>40</td>
</tr>
<tr>
<td>(x) Paediatrics (7 weeks)</td>
<td>GNK 687</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>(xi) Community obstetrics (3½ weeks)</td>
<td>GNK 692</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>(xii) Community-based education (3½ weeks)</td>
<td>GNK 688</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

**Total credits per semester:** 120

<table>
<thead>
<tr>
<th>SA 13</th>
<th>Special activity: Diagnostic laboratory medicine</th>
<th>Module code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core module</td>
<td>Diagnostic laboratory medicine (2 weeks)</td>
<td>GNK 689</td>
<td>11</td>
</tr>
<tr>
<td>- Image-forming medicine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Evidence-based medicine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Bioethics (2 days)*</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 evaluations 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 (for students in the first semester of their sixth year of study).
- In the second semester, this examination will also be held three times for 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 evaluation) 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 evaluation 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 evaluation, 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 evaluation 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 the 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.

(a) **Requirements for admission**

A National Senior Certificate with admission for degree purposes, with English and Mathematics, passed with at least a rating of 4 (50%-59%).

(b) **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.

(c) **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 (with the exception of the Anatomy module that is more than 65%).
(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, a subminimum of 40% is required in the written section of the module examination. 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 also 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.

(d) **Examinations and pass requirements**

(i) In accordance with the stipulations of the General Regulations, 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.

(ii) 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:

(aa) Evaluations of theoretical knowledge.

(bb) Evaluations of clinical knowledge and skills.

(cc) Compulsory attendance at and participation in prescribed activities.

(dd) Compulsory attendance at all academic support activities for the first two years of study.

(iii) 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.

(iv) A student repeating the first or second year of study will retain credit for Clinical Medical Practice modules passed previously, subject to the following:

(aa) The student will be required to participate adequately in the current year in the clinical component of all Clinical Medical Practice modules in order to maintain a specified level of clinical skills and be required to record such activities in an appropriate clinical logbook.

(bb) Compliance with (aa) is a requirement for the admission to subsequent CMP modules.

(cc) In order to comply with the requirements for (aa), the extent of involvement of students in successfully completed modules is determined by the relevant course coordinator, at the commencement of the year, and agreed with the student(s) concerned.
(e) **Academic exclusion from further study**

(i) In accordance with the stipulations of the General Regulations, 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.

(f) **Curriculum**

**First year of study**

**First semester**

<table>
<thead>
<tr>
<th>Modules</th>
<th>Module code</th>
<th>Credits per module</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental modules:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic information management</td>
<td>AIM 111</td>
<td>4</td>
</tr>
<tr>
<td>111</td>
<td>ELH 131</td>
<td>6</td>
</tr>
<tr>
<td>Academic English for Health Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>131**</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Core modules:</strong></td>
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<td></td>
</tr>
<tr>
<td>Clinical medical practice 181</td>
<td>CMP 181</td>
<td>17</td>
</tr>
<tr>
<td>Anatomy 185</td>
<td>ANA 185</td>
<td>21</td>
</tr>
<tr>
<td>Physiology 185</td>
<td>FSG 185</td>
<td>12</td>
</tr>
<tr>
<td>Clinical rotations***</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total credits per semester:</strong></td>
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<td>50</td>
</tr>
</tbody>
</table>

(AIM and ELH modules excluded)

*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 the General Regulations, automatically be admitted to the second semester of the first year of study.

**Second semester**

<table>
<thead>
<tr>
<th>Modules</th>
<th>Module code</th>
<th>Credits per module</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fundamental module</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic information management</td>
<td>AIM 121</td>
<td>4</td>
</tr>
<tr>
<td>121*</td>
<td>ELH 132</td>
<td>6</td>
</tr>
<tr>
<td>Academic English for Health Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>132*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Core modules
Clinical medical practice 182
Pharmacology 180
Clinical rotations**

<table>
<thead>
<tr>
<th>Module</th>
<th>Code</th>
<th>Prerequisite</th>
<th>Credits per module</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMP 182</td>
<td></td>
<td></td>
<td>56</td>
</tr>
<tr>
<td>FAR 180</td>
<td></td>
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<td>2</td>
</tr>
</tbody>
</table>

Total credits per semester (AIM and ELH modules excluded): 58

Total credits first year of study (AIM and ELH 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**
   (aa) First-year students who have passed all prescribed core modules at 100 level will, in accordance with the stipulations of the General Regulations, automatically be admitted to the second year of study.

   (bb) 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.

   (cc) 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.

Second year of study
First semester

<table>
<thead>
<tr>
<th>Modules</th>
<th>Module code</th>
<th>Prerequisite</th>
<th>Credits per module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical medical practice 281:</td>
<td>CMP 281</td>
<td>CMP 181, 182</td>
<td>68</td>
</tr>
<tr>
<td>Cardiovascular system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gastrointestinal system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reticulo-endothelial system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Genito-urinary system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical rotations*</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**
   As set out in Reg. M.2A.3.

(ii) **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 the General Regulations, automatically be admitted to the second semester of the second year of study.
Second semester

<table>
<thead>
<tr>
<th>Modules</th>
<th>Module code</th>
<th>Prerequisite</th>
<th>Credits per module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical medical practice 282:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Head and neck</td>
<td>CMP 282</td>
<td>CMP 281</td>
<td>68</td>
</tr>
<tr>
<td>Eyes, ears, mouth, nose and throat</td>
<td>FAR 280</td>
<td>FAR 180</td>
<td>2</td>
</tr>
<tr>
<td>Musculoskeletal system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neurological system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin, endocrine system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pharmacology 280</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical rotations*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total credits per semester:</td>
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<td></td>
<td>70</td>
</tr>
<tr>
<td>Total credits second year of study:</td>
<td></td>
<td></td>
<td>138</td>
</tr>
</tbody>
</table>

*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
(aa) Second-year students who have passed in all prescribed first- and second-semester modules at 200 level will, in accordance with the stipulations of the General Regulations, automatically be admitted to the third year of study.

(bb) 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.

(cb) 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.

Third year of study
First semester

<table>
<thead>
<tr>
<th>Modules</th>
<th>Module code</th>
<th>Prerequisite</th>
<th>Credits per module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women’s health 381*</td>
<td>CMP 381</td>
<td>CMP 281,282</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FAR 280</td>
<td></td>
</tr>
<tr>
<td>Child health 382*</td>
<td>CMP 382</td>
<td>CMP 281,282</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FAR 280</td>
<td></td>
</tr>
<tr>
<td>Emergency care 1 383</td>
<td>CMP 383</td>
<td>CMP 281,282</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FAR 280</td>
<td></td>
</tr>
<tr>
<td>Infectious and chronic diseases 384*</td>
<td>CMP 384</td>
<td>CMP 281,282</td>
<td>36</td>
</tr>
<tr>
<td>Anaesthetics 385*</td>
<td>CMP 385</td>
<td>CMP 281,282</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FAR 280</td>
<td></td>
</tr>
<tr>
<td>Mental health 386*</td>
<td>CMP 386</td>
<td>CMP 281,282</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FAR 280</td>
<td></td>
</tr>
<tr>
<td>Orthopaedics 387*</td>
<td>CMP 387</td>
<td>CMP 281,282</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FAR 280</td>
<td></td>
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<tr>
<td>Healthcare systems 380</td>
<td>CMP 380</td>
<td>CMP 281,282</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FAR 280</td>
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</tbody>
</table>
Clinical rotations**

<table>
<thead>
<tr>
<th>Modules</th>
<th>Module code</th>
<th>Prerequisite</th>
<th>Credits per module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women’s health 381*</td>
<td>CMP 381</td>
<td>CMP 281,282, FAR 280</td>
<td>24</td>
</tr>
<tr>
<td>Child health 382*</td>
<td>CMP 382</td>
<td>CMP 281,282, FAR 280</td>
<td>24</td>
</tr>
<tr>
<td>Infectious and chronic diseases 384*</td>
<td>CMP 384</td>
<td>CMP 281,282, FAR 280</td>
<td>36</td>
</tr>
<tr>
<td>Anaesthetics 385*</td>
<td>CMP 385</td>
<td>CMP 281,282, FAR 280</td>
<td>12</td>
</tr>
<tr>
<td>Mental health 386*</td>
<td>CMP 386</td>
<td>CMP 281,282, FAR 280</td>
<td>16</td>
</tr>
<tr>
<td>Orthopaedics 387*</td>
<td>CMP 387</td>
<td>CMP 281,282, FAR 280</td>
<td>12</td>
</tr>
<tr>
<td>Emergency care 2 389</td>
<td>CMP 389</td>
<td>CMP 281,282, 383,FAR280</td>
<td>12</td>
</tr>
<tr>
<td>Dispensing 380</td>
<td>FAR 380</td>
<td>CMP 281,282, FAR 280</td>
<td>4</td>
</tr>
<tr>
<td>Clinical rotations**</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total credits per semester: **82 or 86***

*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.

***Depending on rotation arrangements.

(i) **Module examinations and second examinations**
As set out in Reg. M.2A.3.

(ii) **Failed candidates/Academic exclusion from further study**
Third-year students who have passed in sufficient prescribed first-semester modules at 300 level will, in accordance with the stipulations of the General Regulations automatically be admitted to the second semester of the third year of study.

Total credits per semester: 76 or 80***

Total credits third year of study: 162

*These modules will be either be offered in the 1st or 2nd semester depending on rotation arrangements.

**Marks obtained in the clinical rotations are taken into account when calculating the relevant module marks.

***Depending on rotation arrangements.

(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.2B Bachelor of Sports Science [BSportSci]  
|-------------  
| (Code 10135002) |

This three year full-time BSportSci programme will consist of two specialist qualification pathways, namely Biokinetics and Sports Science. The first two years of study will comprise a generic curriculum shared with all BSportSci students that will include basic and applied sciences of the human body. At the end of the second year selection will take place on academic merit and students will branch into the specific Sports Science curriculum or Biokinetics curriculum up until the completion of their three years of studies. The first year of internship for the Biokinetics students will run concurrently with their third year. Then the Biokinetics students will proceed with the BScHons in Biokinetics with the second year of their internship. The four-year Biokinetics programme (3 + 1) is in line with the new regulations of the HPCSA for Biokinetics training which all universities that offer this programme will follow. The Sports Science students have the option of proceeding with the BScHons in Sports Science, enrol and complete the PGCE or start working in the sporting industry.

**Areas of specialisation**

**Biokinetics:**
With regard to Biokinetics as one of the two possible specialist qualification pathways, this programme will enable students to undergo teaching and training to become competent biokineticists. The programme provides a basis for knowledge and skills development to improve an individual’s quality of life by means of physical assessment and physical activity prescription. Therefore, this programme will enable individuals interested in clinical applications of exercise training to specialise in the prevention and treatment of chronic diseases of lifestyle as well as final-phase rehabilitation of injuries. It aims to develop exercise specialists/therapists that function in alliance with health and medicine and is recognised by and registered with the Health Professions Council of South Africa (HPCSA). It will be in synergy with the mission of the University regarding a world-class training programme, which strives to improve the quality of life of individuals and communities.

**Sports Science:**
Regarding Sports Science as one of the two possible specialist qualification pathways, this programme will enable students to undergo teaching and training to become competent sports scientists. The programme provides a basis for knowledge and skills development to improve athlete performance by means of physical assessment, exercise and/or conditioning prescription, and research. It aims to develop world-class sports scientists who can function successfully in an interdisciplinary environment in order to improve athletes’ and sports teams’ performances using the latest techniques and research. It will therefore strive towards internationally recognised academic excellence, but with local relevance. The programme will create an ideal learning environment incorporating lectures, tutorials, practical sessions, and problem solving. The programme will encourage academically rigorous and relevant research (a research mini-dissertation}
is part of the programme – fourth year). Students will receive teaching and training by leaders in the fields of Sports Science. Students will get the opportunity to work with various sporting codes and athletes of various skill levels.

**Closing date for applications:**
31 May annually

**Admission requirements:**
A National Senior Certificate with English, Mathematics and Life Sciences or Physical Science at level 5 and complying with the minimum requirements for admission to a bachelor’s degree. A minimum APS of 30.

**Duration:**
Three years of full-time study for specialisation in Biokinetics plus one year BScHons in Biokinetics.
Three years of full-time study for specialisation in SportsScience.

**Coordinator:**
Prof PE Krüger Tel 012 420 6032, email: ernst.kruger@up.ac.za

**Curriculum for BSportSci**

**Option: Biokinetics (Code 10135002 for Years 1 and 2, 10135000 for Year 3))**

<table>
<thead>
<tr>
<th>Minimum credits required: 412</th>
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<th>Yr level 2</th>
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<td>Core modules</td>
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BScHons (Biokinetics)

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**Option: Sports Science (Code 10135002 for Years 1 and 2, 10135001 for Year 3)**

<table>
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<td>141</td>
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BScHons (Sports Science)

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First year of study

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Core modules

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<tr>
<td>PRC 100</td>
<td>Sports practical (Basic)</td>
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<tr>
<td>EXE 110</td>
<td>Sports injuries I</td>
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<td>DS</td>
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<tr>
<td>EXE 111</td>
<td>Research methodology I</td>
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<td>DS</td>
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<td>FSG 110</td>
<td>Physiology</td>
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<tr>
<td>MTL 180</td>
<td>Medical terminology</td>
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<td>PHY 131</td>
<td>Physics for biology students</td>
<td>[16]</td>
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<tr>
<td>ANA 123</td>
<td>Introduction to human anatomy:</td>
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<td>EXE 120</td>
<td>Motor learning and development I</td>
<td>[12]</td>
<td>DS</td>
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<td>EXE 121</td>
<td>Exercise science programme development</td>
<td>[12]</td>
<td>DS</td>
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<td>EXE 320</td>
<td>Measurement and evaluation</td>
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<td>FSG 120</td>
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*DS = Departmental selection required

Second year of study

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<td>PRC 200</td>
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<tr>
<td>EXE 210</td>
<td>Sports injuries II</td>
<td>[16]</td>
<td>EXE 110+DS</td>
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<tr>
<td>SMC 110</td>
<td>Fundamental physiology</td>
<td>[12]</td>
<td>DS</td>
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<td>SMC 210</td>
<td>Applied kinesiology (Anatomy)</td>
<td>[16]</td>
<td>ANA 121,122 +DS</td>
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<tr>
<td>SMC 211</td>
<td>Applied biomechanics</td>
<td>[16]</td>
<td>DS</td>
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<tr>
<td>EXE 220</td>
<td>Applied nutrition</td>
<td>[16]</td>
<td>DS</td>
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<tr>
<td>EXE 221</td>
<td>Motor learning and development II</td>
<td>[16]</td>
<td>EXE 120+DS</td>
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<td>SMC 220</td>
<td>Applied physiology (Exercise)</td>
<td>[16]</td>
<td>SMC 110+DS</td>
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<td>SMS 210</td>
<td>Event management and entrepreneurship</td>
<td>[16]</td>
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*DS = Departmental selection required

Third year of study: Biokinetics

<table>
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<tr>
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<td>Research methodology II</td>
<td>[20]</td>
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<td>EXE 302</td>
<td>Functional anatomy</td>
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<td>Credits</td>
<td>Prerequisites</td>
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<tr>
<td>PRC 300</td>
<td>Laboratory evaluation</td>
<td>[20]</td>
<td>DS</td>
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<tr>
<td>SMC 300</td>
<td>Sport specific assessment (Biokinetic)</td>
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<td>EXE 320+DS</td>
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<tr>
<td>BGN 310</td>
<td>Applied exercise science (Gymnasium)</td>
<td>[15]</td>
<td>DS</td>
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<td>EXE 310</td>
<td>Sport injuries (Upper and lower quarter)</td>
<td>[15]</td>
<td>EXE 210+DS</td>
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<td>FLG 331</td>
<td>Exercise and nutrition science</td>
<td>[18]</td>
<td>FSG 110,120+DS</td>
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<td>MBK 210</td>
<td>Sports psychology II</td>
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<td>SMS 351</td>
<td>Business in sport</td>
<td>[10]</td>
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</tbody>
</table>

*DS = Departmental selection required

**BSc Hons in Biokinetics**
- MBK 701 Exercise physiology [27]
- MBK 703 Biokinetics [27]
- MBK 704 Exercise science [27]
- MBK 718 Functional anatomy [27]
- NMR 702 Research [27]

**Third year of study: Sports Science**

<table>
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<tr>
<th>Module code</th>
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<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>EXE 301</td>
<td>Research methodology II</td>
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<td>PRC 301</td>
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<td>BGN 310</td>
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<td>[15]</td>
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<td>BGN 311</td>
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<td>SDT 351</td>
<td>Sport didactics</td>
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<td>MBK 210</td>
<td>Sport psychology</td>
<td>[10]</td>
<td>DS</td>
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<tr>
<td>BGN 320</td>
<td>Testing and evaluation (Laboratory)</td>
<td>[15]</td>
<td>DS</td>
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<td>BGN 321</td>
<td>Biomechanics II</td>
<td>[15]</td>
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<td>EXE 321</td>
<td>Applied nutrition</td>
<td>[20]</td>
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<td>SMC 320</td>
<td>Applied physiology</td>
<td>[20]</td>
<td>SMC 220+DS</td>
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</tbody>
</table>

*DS = Departmental selection required

**BSc Hons in Sports Science**
- HNT 701 Nutrition [14]
- MBK 702 Applied physiology [27]
- MBK 704 Exercise science [27]
- MBK 705 Biomechanics [27]
- NMR 702 Research [27]
M3 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(Anea)]
(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(NeurrSur)]
(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
(iii) 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.
(iv) 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]**
(i) 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

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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.

(ii) The rules have been effective as from 1 January 2011. 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 (Neurosurgery,
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*.  
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:  
(aa) 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).

(bb) 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.
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: GGK 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*; NFG 801 Neurophysiology 801; ANP 872 Anatomical pathology 872*; MTS 801 Medical applied psychology 801*; NRE 801 Neurology 801.  
Duration of training: Four years.

(xx) **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.  
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 Regulations apply.
(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)

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**
   MFM 801 Medical pharmacology 801  
   MBS 800 Medical biostatistics 800  
   FFD 801 Pharmacokinetics and pharmacodynamics 801  
   WKT 881 Practical work and work assignments 881

(ii) **Second year of study**
   MFM 802 Medical pharmacology 802  
   FFD 802 Pharmacokinetics and pharmacodynamics 802  
   WKT 882 Practical work and work assignments 882  
   NAV 882 Research report (Preparation) 882

(iii) **Third year of study**
   MFM 803 Medical pharmacology 803  
   FFD 803 Pharmacokinetics and pharmacodynamics 803  
   WKT 883 Practical work and work assignments 883  
   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.

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**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
b) **Duration**
One year full-time or two years part-time study (with choice of e-learning)

c) **Curriculum**

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Modules</strong></td>
<td></td>
</tr>
<tr>
<td>FEG 881 Core concepts in philosophy and mental health 881</td>
<td>10</td>
</tr>
<tr>
<td>FEG 882 Philosophy of science and mental health 882</td>
<td>10</td>
</tr>
<tr>
<td>FEG 883 Philosophy of mind and mental health 883</td>
<td>10</td>
</tr>
<tr>
<td>FEG 884 Ethics, values and mental health 884</td>
<td>10</td>
</tr>
<tr>
<td><strong>Research:</strong></td>
<td></td>
</tr>
<tr>
<td>FEG 890 Dissertation: Philosophy and ethics of mental health 890</td>
<td>140</td>
</tr>
</tbody>
</table>

**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.8 **Master of Philosophy in Pain Management [MPhil (Pain Management)]**
(10250501)

Please consult the programme director with regard to commencement of programme. (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**

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core modules</strong></td>
<td></td>
</tr>
<tr>
<td>PYN 800 Introduction to pain management 800</td>
<td>40</td>
</tr>
<tr>
<td>(including research methodology)</td>
<td></td>
</tr>
<tr>
<td>PYN 801 Principles of pain management 801</td>
<td>20</td>
</tr>
<tr>
<td>(including research methodology)</td>
<td></td>
</tr>
<tr>
<td>PYN 802 Clinical pain management 802</td>
<td>20</td>
</tr>
<tr>
<td><strong>Elective modules</strong></td>
<td></td>
</tr>
<tr>
<td>PYN 880 Minor interventional procedures 880</td>
<td>10</td>
</tr>
<tr>
<td>PYN 881 Minor interventional procedures 881</td>
<td>10</td>
</tr>
<tr>
<td>PYN 882 Physical therapy 882</td>
<td>10</td>
</tr>
</tbody>
</table>

(ii) **Second year of study**

<table>
<thead>
<tr>
<th>Modules</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core credits</strong></td>
<td></td>
</tr>
<tr>
<td>PYN 803 Clinical pain management 803</td>
<td>20</td>
</tr>
<tr>
<td>PYN 804 Musculoskeletal pain 804</td>
<td>20</td>
</tr>
<tr>
<td>PYN 805 Unique pain scenarios</td>
<td>20</td>
</tr>
<tr>
<td>PYN 891 Research report 891</td>
<td>60</td>
</tr>
<tr>
<td><strong>Elective modules</strong></td>
<td></td>
</tr>
<tr>
<td>PYN 883 Psychotherapy 883</td>
<td>10</td>
</tr>
<tr>
<td>PYN 884 Surgical procedures 884</td>
<td>10</td>
</tr>
<tr>
<td>PYN 885 Complementary/alternative approaches to pain management 885</td>
<td>10</td>
</tr>
</tbody>
</table>

(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.
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.

**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.

<table>
<thead>
<tr>
<th>M.8A Master of Philosophy in Medical Law and Ethics [MPhil (Medical Law and Ethics)] (Code 04250078)</th>
</tr>
</thead>
</table>

Please note that the MPhil (Medical Law and Ethics) degree programme is offered by the Faculty of Law. Kindly consult their Yearbook for further details in this regard.

<table>
<thead>
<tr>
<th>M.9 Master of Early Childhood Intervention [MECI] (Code 10258240)</th>
</tr>
</thead>
</table>

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.)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical theoretical analysis in ECI 801*</td>
<td>ECI 801 (90)</td>
</tr>
</tbody>
</table>

*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.)

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collaborative problem-solving 872</td>
<td>ECI 872 (20)</td>
</tr>
<tr>
<td>Measurement in ECI 873</td>
<td>ECI 873 (20)</td>
</tr>
<tr>
<td>Evaluation and intervention 874</td>
<td>ECI 874 (20)</td>
</tr>
</tbody>
</table>

**Applied discipline-directed elective module:**

<table>
<thead>
<tr>
<th>Module</th>
<th>Module code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child health 860</td>
<td>ECI 860 (30)</td>
</tr>
<tr>
<td>Communication pathology 861</td>
<td>ECI 861 (30)</td>
</tr>
<tr>
<td>Educational psychology 862</td>
<td>ECI 862 (30)</td>
</tr>
<tr>
<td>Nursing science 863</td>
<td>ECI 863 (30)</td>
</tr>
<tr>
<td>Nutrition care 864</td>
<td>VSG 864 (30)</td>
</tr>
</tbody>
</table>
 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.

 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.

 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.

 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 [BScHons]

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
Medical Oncology | 10244030 | MDN 700
Human Physiology | 10243023 | MGN 700 and 790
Sports 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 the General Regulations 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 the General Regulations, 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 the General Regulations, 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 the General Regulations, 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.
### Fields of specialisation

The MSc degree is conferred in the following fields of study:

<table>
<thead>
<tr>
<th>Field of study</th>
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* 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**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>SGN 802</td>
<td>Sports medicine 802 (Examination and oral: End of first year of study)</td>
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<tr>
<td>SGN 800</td>
<td>Sports medicine 800 (Examination, oral and practical: End of second or final year of study)</td>
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<td>SGN 894</td>
<td>Essay: Sports medicine (Preliminary work) 894</td>
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<td>SGN 895</td>
<td>Essay: Sports medicine 895</td>
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<tr>
<td>DTE 880</td>
<td>Sports dietetics 880</td>
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(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**

<table>
<thead>
<tr>
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<td>Personality theory 803</td>
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<td>Research methodology 805</td>
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<td>MTS 807</td>
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<td>MTS 808</td>
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<td>MTS 890</td>
<td>Dissertation: Medical applied psychology 890</td>
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</table>

**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 the General Regulations.

(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:

<table>
<thead>
<tr>
<th>Field of study</th>
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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, 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.

   (d) 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.
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.

The PhD degree can be obtained in the following fields of study:

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</table>

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]**

(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)

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<td>Applied ultrasound physics 711</td>
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<td>Basic abdominal ultrasound 713</td>
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<td>Ultrasound of small body parts 721</td>
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(ii) **Year 2**
(Credit value of each module indicated in brackets)

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<tr>
<td>Elective module: Obstetrics 743</td>
<td>ULT 743 (12)</td>
</tr>
<tr>
<td>Elective module: General 744</td>
<td>ULT 744 (12)</td>
</tr>
<tr>
<td>Elective module: Vascular 745</td>
<td>ULT 745 (12)</td>
</tr>
<tr>
<td>Final written examination 750</td>
<td>ULT 750 (-)</td>
</tr>
<tr>
<td>Practical examination 751</td>
<td>ULT 751 (-)</td>
</tr>
</tbody>
</table>

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.

III. CERTIFICATES

<table>
<thead>
<tr>
<th>M.15 Higher Certificate in Sports Science[HCert (Sport Science)]</th>
</tr>
</thead>
</table>

**Higher Certificate in Sports Science**

This programme will be an extended programme allowing the student to complete the programme in two years. The programme provides a basis for knowledge and skills development to improve athlete performance by means of physical assessment, exercise and conditioning prescription, and research. It aims to develop coaches who can function successfully in an interdisciplinary environment in order to improve athletes’ and sports teams’ performances using the latest techniques and research. It will therefore strive towards internationally recognised academic excellence, but with local relevance. The programme will create an ideal learning environment incorporating lectures, tutorials, practical sessions, and problem solving. Students will receive teaching and training by leaders in the field of Sports Science and coaching. Students will get the opportunity to work with various sporting codes and athletes of various skill levels. Upon completion, it will provide students wanting to further their studies with the opportunity to apply for the BA (Sports and Leisure Studies), Option: Sports Coaching Sciences in the Faculty of Humanities, or the BEd degree in the Faculty of Education.

Option: Sport Coaching [BA (Sport and Leisure Studies)] Code (1020001) -Consult the Faculty of Humanities
Option: Education (BEd) Code (10120002) – Consult the Faculty of Education

**Closing date for applications**
31 October annually

**Admission requirements**
A National Senior Certificate and complying with the minimum requirements for admission to a certificate programme. An APS of 15 and above. If the student’s APS is lower than 28, he/she will have to write the National Benchmark Test (NBT).

**Duration**
Minimum one year, maximum of two years of full-time study.

**Coordinator:**
Prof PE Krüger Tel 012 420 6032, email: ernst.kruger@up.ac.za

**Curriculum for Higher Certificate in Sports Science (Option Sport Coaching)**

<table>
<thead>
<tr>
<th>Minimum credits required: 136</th>
<th>Yr level 1</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamental modules</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Core modules</td>
<td>118</td>
<td>118</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>136</td>
<td>136</td>
</tr>
</tbody>
</table>
### First year of study

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module name</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIM 101</td>
<td>Academic information management</td>
<td>[6]</td>
<td></td>
</tr>
<tr>
<td>ALL 110</td>
<td>Academic literacy*</td>
<td>[6]</td>
<td></td>
</tr>
<tr>
<td>ALL 125</td>
<td>Academic literacy for Humanities*</td>
<td>[6]</td>
<td></td>
</tr>
</tbody>
</table>

*Students who are deemed to be at risk of their level of academic literacy are compelled to take ALL 110 and ALL 125. Students who are deemed NOT to be at risk of their level of academic literacy are compelled to take language modules to the value of 12 credits from the list of language modules.*

### Core modules

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module name</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRC 151</td>
<td>Sports practical (Basic)</td>
<td>[16]</td>
<td>DS</td>
</tr>
<tr>
<td>YCS 110</td>
<td>Foundations of sports coaching sciences</td>
<td>[12]</td>
<td>DS</td>
</tr>
<tr>
<td>YSP 110</td>
<td>Foundations of sports, exercise and performance Psychology</td>
<td>[12]</td>
<td>DS</td>
</tr>
<tr>
<td>EXE 153</td>
<td>Sports injuries (1)</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>SRM 110</td>
<td>Foundations of recreation and sport management</td>
<td>[12]</td>
<td>DS</td>
</tr>
<tr>
<td>EXE 151</td>
<td>Exercise and training principle</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>SMC 151</td>
<td>Fundamental anatomy</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>YCS 120</td>
<td>Teaching and learning in sport</td>
<td>[12]</td>
<td>DS</td>
</tr>
<tr>
<td>YSP 120</td>
<td>Psychology of sports coaching</td>
<td>[12]</td>
<td>DS</td>
</tr>
<tr>
<td>EXE 152</td>
<td>Fundamental nutrition</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>SMC 152</td>
<td>Fundamental physiology</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>EXE 159</td>
<td>Motor learning (1)</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>SMC 153</td>
<td>Fundamental biomechanics</td>
<td>[6]</td>
<td>DS</td>
</tr>
</tbody>
</table>

### Curriculum for Higher Certificate in Sports Science: Option Education

<table>
<thead>
<tr>
<th>Minimum credits required: 128</th>
<th>Yr level 1</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamental modules</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Core modules</td>
<td>110/118</td>
<td>110/118</td>
</tr>
<tr>
<td>Total</td>
<td>128/136</td>
<td>128/136</td>
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</table>

### First year of study

<table>
<thead>
<tr>
<th>Module code</th>
<th>Module name</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIM 101</td>
<td>Academic information management</td>
<td>[6]</td>
<td></td>
</tr>
<tr>
<td>ALL 110</td>
<td>Academic literacy*</td>
<td>[6]</td>
<td></td>
</tr>
</tbody>
</table>
*Students who are deemed to be at risk of their level of academic literacy are compelled to take ALL 110 and ALL 125. Students who are deemed NOT to be at risk of their level of academic literacy are compelled to take language modules to the value of 12 credits from the list of language modules.

<table>
<thead>
<tr>
<th>Core modules</th>
<th>[16]</th>
<th>DS</th>
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<tbody>
<tr>
<td>PRC 151 Sports practical (Basic)</td>
<td>[16]</td>
<td>DS</td>
</tr>
<tr>
<td>School subject*</td>
<td>[8/12]</td>
<td>DS</td>
</tr>
<tr>
<td>JLO 111 Life Orientation</td>
<td>[12]</td>
<td>DS</td>
</tr>
<tr>
<td>EXE 153 Sports injuries (1)</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>SRM 110 Foundations of recreation and sport management</td>
<td>[12]</td>
<td>DS</td>
</tr>
<tr>
<td>EXE 151 Exercise and training principles</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>SMC 151 Fundamental anatomy</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>School subject*</td>
<td>[8/12]</td>
<td>DS</td>
</tr>
<tr>
<td>JLO 121 Life Orientation</td>
<td>[12]</td>
<td>DS</td>
</tr>
<tr>
<td>EXE 152 Fundamental nutrition</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>SMC 152 Fundamental physiology</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>EXE 159 Motor learning (1)</td>
<td>[6]</td>
<td>DS</td>
</tr>
<tr>
<td>SMC 153 Fundamental biomechanics</td>
<td>[6]</td>
<td>DS</td>
</tr>
</tbody>
</table>

*One of the following school subjects must be chosen, but the same subject must be taken for the first and second semester:
- Mathematical Literacy [WTW 133, WTW 143] [16]
- Afrikaans [AFR 110, AFR 120] [24]
- English [ENG 110, ENG 120] [24]
- Geography [GGY 156, GGY 166] [16]
- History [GES 110, GES 120] [24]
- German [DTS 113, DTS 123] [24]
- French [FRN 113, FRN 123] [24]
- Psychology [SLK 110, SLK 120] [24]
- Any other school subject with the permission of the Dean

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>10180001</td>
<td>Medicine Special (Undergraduate) Prinshof Campus</td>
</tr>
<tr>
<td>10185021</td>
<td>Medicine Special (Cuban students: Prinshof Campus)</td>
</tr>
<tr>
<td>10190001</td>
<td>Medicine Foreign (Non-examination purposes) Visiting Undergraduate</td>
</tr>
</tbody>
</table>

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

# = 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

cr

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.

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 860 Advanced child nursing science 860
Academic organisation: Nursing Science
Contact time: 2 ppw
Period of presentation: Year
Language of tuition: English
Credits: 50

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: 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: 30

ACC 870 Advanced child nursing science 870  
Academic organisation: Nursing Science  
Contact time: 2 ppw  
Period of presentation: Year  
Language of tuition: English  
Credits: 40

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

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

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

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

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: 100

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

AGW 990 Thesis: General health sciences 990
Academic organisation: Health Sciences Dean’s Office
Period of presentation: Year
Language of tuition: Double medium
Credits: 480

AHM 771 Research report 771
Academic organisation: School of Health Systems and Public Health
Contact time: 50 hours per week
Period of presentation: Year
Language of tuition: English
Credits: 30
Module content:
Executive/Emerging Leadership
Participants will be required to write up a project which can consist of a Strategic Plan for Leadership at the workplace which they will be required to implement and monitor over a period of 6 months and then write up the strengths and weaknesses of whether this plan made a difference and to what extent they have been able to influence and change the approach of decision-making at their workplaces. A report from supervisors will be required and the project will include a literature review and a detailed analysis of what was achieved, what value-added difference the project made at the workplace, what were the sustainability factors built into the plan and how it had improved service delivery. The health leadership strategies that arise out of the project will be discussed and how its broader application can be implemented towards transforming healthcare delivery at district or hospital level.
AHM 870 Reproductive health epidemiology 870  
Academic organisation: School of Health Systems and Public Health  
Prerequisite: HME 870  
Period of presentation: Year  
Language of tuition: English  
Credits: 10

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 theory of occupational science. Application of creative ability principles during activity participation. Application of a variety of elective activities which promotes the engagement of clients in meaningful occupation.

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: 15

Module content:  
The theory on the science of occupation. Application of activities in the areas of ADL (Activities of Daily Living) and leisure, as well as elective activities that promote the engagement of clients in meaningful occupation.

AKU 303 Occupational science 303  
Academic organisation: Occupational Therapy  
Prerequisite: FSG 251, FSG 252, FSG 261, FSG 262, AKU 200, RPD 200, ART 281, ART 282, ART 283, ART 284  
Contact time: 1 ppw 1 dpw 1 lpw 1 spw  
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 and school/education. 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, RPD 200, ART 281, ART 282, 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, ELH 121, ELH 122 and [SEP 110 or ZUL 110]
Contact time: 2 other per week 1 spw 1 dpw
Period of presentation: Year
Language of tuition: Double medium Credits: 40
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.

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: 50

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: 30

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: 30

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: 40
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 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: 50

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: 30

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: 30

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: 40

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 123 Introduction to human anatomy 123
Academic organisation: Biokinetics and Sports Science
Contact time: 2 lpw
Period of presentation: Year
Language of instruction: English  
Credits: 8

Module content:
*Closed – requires departmental selection.
This module introduces the student to basic anatomical concepts regarding body areas, levels, axes of motion and anatomical terminology. Development anatomy forms the first part of the module. From there the student continues to the study of osteology, anthropometry, musculoskeletal system, bone function and classification, nerve innervation, anatomy of the brain, the cardio-respiratory system and the endocrine system. An important aspect of the module is movement anatomy and its application.

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 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 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 modules, which is available on request from the Department of Anatomy.

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 and/or Semester 2
Language of tuition: Double medium
Credits: 12

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 870 Anatomy 870  
Academic organisation: Anatomy  
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

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 801 Anaesthesiology 801
Academic organisation: Anaesthesiology
Prerequisites: FSG 801, CHP 805, FAR 802, FSK 808
Contact time: 1 spw
Period of presentation: Year
Language of tuition: Both Afr and Eng Credits: 300

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

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: 50

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: 30

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: 30

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: 40

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 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: 10

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.

ANP 370 Anatomical pathology 370 (offered as from 2016)
Academic organisation: Oral Pathology and Oral Biology
Contact time: 4 lpw (first semester) 2 lpw (second semester)
Period of presentation: Year
Language of tuition: English  
Credits: 22

Module content:
General pathology:
Cell injury, death and adaptation; Acute and chronic inflammation; Repair: Cell regeneration, fibrosis and wound healing; Hemodynamic disorders, thrombosis and shock; Disorders of the immune system; Neoplasia; Environmental diseases; General pathology of infectious diseases.
Diseases of the following organ systems:
Blood vessels; Heart; Haemopoietic and lymphoid systems; Respiratory tract; Urinary tract; Gastrointestinal tract; Liver and biliary tract; Pancreas; Male genital system; Female genital system and breast; Endocrine system; Musculoskeletal system; Skin; Nervous system.

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 800 Anatomical pathology 800
Academic organisation: Anatomical Pathology
Prerequisites: ANP 801, ANA 800
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 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.

ANP 892 Anatomical pathology 892
Academic organisation: Anatomical Pathology
Contact time: 1 dpw
Period of presentation: Year
Language of tuition: Double medium  Credits: 36

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
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

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 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

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

AOH 770 Assignment in occupational health 770  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 30
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

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 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

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 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: 50

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: 30
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: 30

APN 870 Advanced psychiatric nursing science 870
Academic organisation: Nursing Science
Period of presentation: Year
Language of tuition: English Credits: 40

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 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 psycho-social 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: 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, ELH 121, ELH 122, 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, ELH 121, ELH 122, AIM 101
Contact time: 1 dpw 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.

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.

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 5 dpw  
**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 Essay: Occupational therapy 891  
**Academic organisation:** Occupational Therapy  
**Period of presentation:** Year  
**Language of tuition:** Double medium  
**Credits:** 38

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
ASW 800 Administrative theory and health-related social sciences 800
Academic organisation: Public Health Medicine
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: 50

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: 30

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: 30

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: 40

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

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.

**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: 40

**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: 40

**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: 40

**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: 40

**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

**BGN 310 Applied exercise science (gymnasium) 310**
Academic organisation: Biokinetics and Sports Science
Contact time: 3 lpw
Period of presentation: Semester 1
Language of instruction: Double medium Credits: 15

Module content:
*Closed – requires departmental selection*
The student will be taught on disciplines such as gymnasium layout, warm-up techniques and training methods with reference to traditional anatomical areas.
BGN 311 Biomechanics I 311
Academic organisation: Biokinetics and Sports Science
Contact time: 3 lpw
Period of presentation: Semester 1
Language of instruction: Double medium
Credits: 15
Module content:
*Closed – requires departmental selection
Introduction to the several methods that can be used to conduct qualitative biomechanical analyses of movements and activities aimed at improving technique and training.

BGN 320 Testing and evaluation (laboratory) 320
Academic organisation: Biokinetics and Sports Science
Contact time: 3 lpw
Period of presentation: Semester 2
Language of instruction: Double medium
Credits: 15
Module content:
*Closed – requires departmental selection
After completion of this module the student will be able to perform the following applied physiological practical tests during talent identification and programme prescription: static lung functions, direct maximal oxygen consumption, indirect maximal oxygen consumption, anaerobic power tests, anthropometry, and the Wingate anaerobic muscle endurance test.

BGN 321 Biomechanics II 321
Academic organisation: Biokinetics and Sports Science
Contact time: 3 lpw
Period of presentation: Semester 2
Language of instruction: Double medium
Credits: 15
Module content:
*Closed – requires departmental selection
Applying biomechanical principles through understanding the use of various measurement techniques and technology for the biomechanical analysis of sport.

BKA 700 Biokinetics 700
Academic organisation: Centre for Sports Sciences
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 96

BMC 701 Hand biomechanics and ergonomics 701
Academic organisation: Occupational Therapy
Contact time: 5 dpw
Period of presentation: Quarter 2
Language of tuition: Double medium
Credits: 30

BOK 121 Molecule to organism 121
Academic organisation: Anatomy
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

(b) Cell to tissue (4 weeks)
Gametogenesis, 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)

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, ELH 111, ELH 112
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)

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, ELH 111, ELH 112
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, ELH 111, ELH 112  
**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, ELH 111, ELH 112  
**Contact time:** 12 lpw  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**Credits:** 25  
**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. This section of the module can only be taken by medical students.

**BOK 285 Pathological conditions 285**

**Academic organisation:** Anatomical Pathology  
**Prerequisite:** CMY 151, FIL 155, MGW 112, MLB 111, MTL 180, PHY 131, AIM 101, BOK 121, GNK 120, GNK 127, GNK 128, ELH 111, ELH 112, LCP 180, SMO 121  
**Contact time:** 18 lpw 1 dpw 3 ppw  
**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, BOK 121, GNK 120, GNK 127, GNK 128, ELH 111, ELH 112, 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, GNK 283, GNK 286, (BOK 281 or (BOK 285, BOK 287)), LCP 280  
**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 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.

BOS 770 Principles of biostatistics 770
Academic organisation: School of Health Systems and Public Health
Contact time: 5 lpw 10 ppw
Period of presentation: Year
Language of tuition: English  Credits: 10
Module content:
Basic introduction to biostatistical theory and use of Stata software to perform basic data analysis.

BOS 774 Seminars in biostatistics 774
Academic organisation: School of Health Systems and and Public Health
Contact time: 1 spw
Period of presentation: Year
Language of tuition: English  Credits: 5
Module content:
Seminar to be written up on a selected topic in biostatistics and presented before the Epidemiology and Biostatistics track staff.

BOS 775 Biostatistics project 775
Academic organisation: School of Health Systems and and Public Health
Contact time: None
Period of presentation: Year
Language of tuition: English  Credits: 30
Module content:
A project agreed to with the head of the sub-track: Biostatistics. This project should be
written up in the format described in the School’s postgraduate brochure. It will be subject to external moderation.

**BOS 870 Biostatistics (1) 870**  
*Academic organisation:* School of Health Systems and Public Health  
*Prerequisite:* HME 870  
*Contact time:* 1 ppw 16 lpw  
*Period of presentation:* Year  
*Language of tuition:* English  
*Credits:* 10

**BOS 871 Biostatistics (2) 871**  
*Academic organisation:* School of Health Systems and Public Health  
*Prerequisite:* BOS 870  
*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  
*Prerequisite:* BOS 871  
*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

**BRH 700 Vocational rehabilitation 700**  
*Academic organisation:* Occupational Therapy  
*Contact time:* 2 spw 4 lpw 2 ppw  
*Period of presentation:* Year  
*Language of tuition:* Double medium  
*Module content:*  
Continued training in the vocational rehabilitation process applied to various diagnostic groups.  
*Credits:* 30

**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 710 Anatomy and principles of surgery 710  
Academic organisation: Maxillofacial and Oral Surgery  
Period of presentation: Semester 1 and/or Semester 2  
Language of tuition: Both Afr and Eng  
Credits: 12

CBA 800 Anatomy and principles of surgery 800  
Academic organisation: Maxillofacial and Oral Surgery  
Period of presentation: Year  
Language of tuition: Both Afr and Eng  
Credits: 24

CBR 710 Maxillofacial 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

CBR 800 Maxillofacial radiology and principles of surgery 800  
Academic organisation: Dental Management Sciences  
Period of presentation: Year  
Language of tuition: English  
Credits: 24

CCC 770 Complex problem-solving and negotiating, coherence and coordination 770  
Academic organisation: Public Health Medicine  
Contact time: 50 hours per week  
Period of presentation: Year  
Language of tuition: English  
Credits: 10

Module content:  
The public health leader will be equipped with strategies to address difficult and intractable problems at the workplace and assist health workers to become part of the solution by utilising newly acquired problem-solving skills which will have lasting impact in workplace settings. Negotiating techniques will be analysed for different workplace challenges and its application for greater coherence and coordination in the implementation of policy and effective management of its outcomes to improve service delivery.

CDC 770 Introduction to disease prevention and control 770  
Academic organisation: Public Health Medicine  
Contact time: 1 ppw 16 lpw  
Period of presentation: Year  
Language of tuition: English  
Credits: 5

CDC 771 Principles: Communicable disease control 771  
Academic organisation: Public Health Medicine  
Prerequisite: CDC 772 CDC 773 CDC 774  
Contact time: 18 spw 3 lpw 1 ppw  
Period of presentation: Year  
Language of tuition: English  
Credits: 10

CDC 772 Seminars in tropical health (Agent) 772  
Academic organisation: Public Health Medicine  
Contact time: 18 spw 3 lpw 1 ppw  
Period of presentation: Year  
Language of tuition: English  
Credits: 10
CDC 773 Seminars in tropical health (Environment) 773
Academic organisation: Public Health Medicine
Prerequisite: CDC 772
Contact time: 1 opw 1 bpw 1 spw 1 lpw 1 ppw
Period of presentation: Year
Language of tuition: English
Credits: 10

CDC 774 Seminars in tropical health (Host) 774
Academic organisation: Public Health Medicine
Contact time: 18 spw 3 lpw 1 ppw
Period of presentation: Year
Language of tuition: English
Credits: 10

CDC 775 Tropical health examination 775
Academic organisation: School of Health Systems and Public Health
Period of presentation: Year
Language of tuition: English
Credits: 1

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

CDC 871 Principles: Communicable disease control 871
Academic organisation: School of Health Systems and Public Health
Contact time: 18 spw 3 lpw 1 ppw
Period of presentation: Year
Language of tuition: English
Credits: 10

CDC 872 Seminars in tropical health (Agent) 872
Academic organisation: School of Health Systems and Public Health
Contact time: 18 spw 3 lpw 1 ppw
Period of presentation: Year
Language of tuition: English
Credits: 10

CDC 873 Seminars in tropical health (Environment) 873
Academic organisation: School of Health Systems and Public Health
Contact time: 18 spw 3 lpw 1 ppw
Period of presentation: Year
Language of tuition: English
Credits: 10

CDC 874 Seminars in tropical health (Host) 874
Academic organisation: School of Health Systems and Public Health
Contact time: 18 spw 3 lpw 1 ppw
Period of presentation: Year
Language of tuition: English
Credits: 10

CDC 880 Introduction to disease control 880
Academic organisation: School of Health Systems and Public Health
Contact time: I week of contact time with 36 hours of lectures (25) practicals (5) and seminars (6). There are in addition 64 hours of notional learning through private study and assignments.
Period of presentation: Year
Language of instruction: English
Credits: 10

Module content:
The principles of disease prevention and control to cover the scope of infectious and non-infectious diseases as well as disabilities. The “one health” approach is also included. The syllabus also includes basic demographic indicators and calculations previously learned during DEG 870.

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: 5

CDS 770 Clinical tropical medicine 770
Academic organisation: Public Health Medicine
Contact time: 1 ppw 16 lpw
Period of presentation: Year
Language of tuition: English
Credits: 5

CDS 773 Human nutrition and public health 773
Academic organisation: School of Health Systems and Public Health
Contact time: 16 lpw
Period of presentation: Year
Language of instruction: English
Credits: 5

Module content:
Principles of nutrition science, factors influencing food choices and nutrition in the life cycle. Main nutrition challenges in public health and interventions to address these. Development and management of public health nutrition interventions as well as a practicum in one aspect of public health nutrition practise in local communities.

CDS 870 Clinical tropical medicine 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 871 Disease outbreak and control 871
Academic organisation: School of Health Systems and Public Health
Prerequisite: HME 870
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: 36 hours of lectures (16) and practicals (20)
Period of presentation: Year
Language of tuition: English
Credits: 5

Module content:
Students learn when and how to perform economic analyses.
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

CDT 870 Infectious disease epidemiology 870
Academic organisation: School of Health Systems and Public Health
Prerequisite: HME 870
Contact time: 36 hours of lectures (16) and practicals (20)
Period of presentation: Year
Language of tuition: English
Credits: 5

Module content:
Students learn about the special rates applicable with outbreak and ID investigations. They learn about basic vaccinology (the epidemiology of) and introductory compartmental modelling terms and skills. They also learn basic clinical epidemiology concepts as applicable for screening and public health programmes. Finally they learn about the composition, duties and roles of infection control team in a hospital.

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 700 Chemical pathology 700
Academic organisation: Chemical Pathology
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 96

CHP 800 Chemical pathology 800
Academic organisation: Chemical Pathology
Prerequisites: FSG 801, CHP 801 or capita selecta from APY 871, HEM 871, GMB 871, GVR 871
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

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 800 Surgery 800
Academic organisation: Surgery
Prerequisites: ANA 802, FSG 801, ANP 802, BVC 800
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
Prerequisites: ANA 802, FSG 801, ANP 802, BVC 800
Period of presentation: Year
Language of tuition: Double medium Credits: 300

CHR 901 Surgery 901
Academic organisation: Surgery
Period of presentation: Year
Language of tuition: Double medium Credits: 1
CHR 902 Surgery 902
Academic organisation: Surgery
Period of presentation: Year
Language of tuition: Double medium
Credits: 1

CHR 991 Thesis: Surgery 991
Academic organisation: Surgery
Period of presentation: Year
Language of tuition: Double medium
Credits: 480

CHR 992 Thesis: Surgery 992
Academic organisation: Surgery
Period of presentation: Year
Language of tuition: Double medium
Credits: 480

CLI 870 Principles of clinical epidemiology 870
Academic organisation: School of Health Systems and Public Health
Prerequisite: HME 870
Contact time: 1 ppw 3 dpw
Period of presentation: Year
Language of tuition: English
Credits: 10

CLI 871 Evidence-based medicine 871
Academic organisation: School of Health Systems and Public Health
Prerequisite: CLI 870
Contact time: 1 ppw 16 lpw
Period of presentation: Year
Language of tuition: English
Credits: 10

CMP 181 Clinical medical practice 181
Academic organisation: Family Medicine
Contact time: 2 dpw 1 ppw
Period of presentation: Semester 1
Language of tuition: English
Credits: 17
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
Prerequisite: CMP181, CMP 182
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
Prerequisite: CMP 281
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
Prerequisite: CMP 281, CMP 282, FAR 280
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
Prerequisite: CMP 281, CMP 282, FAR 280
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
Prerequisite: CMP 281, CMP 282, FAR 280
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
Prerequisite: CMP 281, CMP 282, FAR 280
Contact time: 2 dpw 1 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
Prerequisite: CMP 281, CMP 282, FAR 280
Contact time: 2 dpw 5 ppw
Period of presentation: Semester 1 and/or Semester 2
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
Prerequisite: CMP 281, CMP 282, FAR 280
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
Prerequisite: CMP 281, CMP 282, FAR 280
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
Prerequisite: CMP 281, CMP 282, FAR 280
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
Prerequisite: CMP 281, CMP 282, CMP 383, FAR 280
Contact time: 1 dpw 1 spw 1 ppw
Period of presentation: Semester 2
Language of tuition: English
Credits: 12

Module content:
Theory and practical training in emergency care. A problem-oriented and inter-disciplinary 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 healthcare. 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: 2 lpw
Period of presentation: Semester 2
Language of tuition: English
Credits: 10

Module content:
Community nutrition practice within the larger public health realm. Nutrition within primary healthcare. Nutrition and community development as well as project planning and management.
CNT 411 Community nutrition 411
Academic organisation: Human Nutrition
Prerequisite: Fourth-year status
Contact time: 4 lpw 1 dpw
Period of presentation: Semester 1
Language of tuition: English  Credits: 25
Module content:
Global nutrition challenges e.g. food security, protein-energy and micronutrient malnutrition, non communicable diseases of lifestyle, etc. Public health approaches and general nutrition interventions to address these challenges. Nutrition programme development including assessment, analysis and interventions in the South African context as well as Nutrition Policy formulation.

CNT 480 Community nutrition 480
Academic organisation: Human Nutrition
Prerequisite: CNT 411
Contact time: 5 other per week for 7 weeks
Period of presentation: Semester 2
Language of tuition: Double medium  Credits: 35
Module content:
Academic service learning project in community-based programme development (i.e. planning, implementation and evaluation). Facility-based primary healthcare service delivery.

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.

DBG 795 Essay 795
Academic organisation: Public Health Medicine
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:
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 disabilities 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:**  

DEG 770 Principles of demography 770  
**Academic organisation:** Public Health Medicine  
**Contact time:** 1 spw 1 ppw 1 dpw 1 lpw 1 other per week  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 10

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

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 Immuno-nutrition 804
Academic organisation: Human Nutrition
Contact time: 1 dpw
Period of presentation: Semester 1
Language of tuition: English
Credits: 20

DEK 805 Sports 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 Two literature studies 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: 240
DEK 895 Essay: Dietetics 895
Academic organisation: Human Nutrition
Period of presentation: Year
Language of tuition: Double medium
Credits: 120

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 800 Dermatology 800
Academic organisation: Family Medicine
Prerequisites: PAG 804, ANA 807, FSG 801
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 300

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

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

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: 20
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: 20
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: 10
Module content:
*Attendance module 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
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:**  
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:**  
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, AIM 101, ELH 121 and 122  
**Contact time:** 2 ppw 3 lpw  
**Period of presentation:** Quarter 1  
**Language of tuition:** English  
**Credits:** 9  
**Module content:**  
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, AIM 101, ELH 121 and 122
**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, AIM 101, ELH 121 and 122  
**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, AIM 101, ELH 121 and 122  
**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.  

**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
Module content:
Comprehensive community nursing
Perspectives and approaches to comprehensive nursing care and support of communities. Relevant statutory control over primary healthcare (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 4
Language of tuition: English
Module content:
NOTE: DNP 353 must be completed after DNP 354.
Principles of patient care management.
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 3
Language of tuition: English
Module content:
Note: DNP 354 must be completed prior to DNP 353.
Primary curative nursing for common and uncomplicated disease conditions.
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:
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:
NB: Only for selected BCur students.

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: Radiography
Contact time: 1 lpw 1 ppw 1 dpw
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 30

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

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 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 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 222 Dietetic application of communication principles 222**  
**Academic organisation:** Human Nutrition  
**Prerequisite:** 2nd-year status  
**Contact time:** 1 lpw 1 dpw  
**Period of presentation:** Semester 2  
**Language of tuition:** English  
**Credits:** 12  
**Module content:**  
A total diet approach to communicating food and nutrition messages using theoretical frameworks, including planning and evaluation of content as well as presentation skills.

**DTT 310 Dietetic counselling 310**  
**Academic organisation:** Human Nutrition  
**Prerequisite:** Third-year status  
**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:** DTT 310  
**Contact time:** 1 dpw  
**Period of presentation:** Semester 2  
**Language of tuition:** Double medium  
**Credits:** 6
Module content:

**DTT 411 Dietetics profession 411**
**Academic organisation:** Human Nutrition  
**Prerequisite:** Fourth-year status  
**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:** Fourth-year status  
**Contact time:** 1 spw  
**Period of presentation:** Semester 2  
**Language of tuition:** Double medium  
**Credits:** 4

Module content:  
*Attendance module only*

**EBD 800 Epidemiology theory, biostatistics and demography 800**
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 70

**ECI 801 Critical theoretical analysis in ECI 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 5 other per week  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**Credits:** 30

**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:** 30

**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:** 30

**ECI 863 Nursing science 863**
**Academic organisation:** Centre for Augmentative and Alternative Communication
Contact time: 5 web-based periods per week 5 other per week 1 dpw  
Period of presentation: Semester 1  
Language of tuition: Both Afr and Eng  
Credits: 30

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: 30

ECI 866 Physiotherapy 866  
Academic organisation: Centre for Augmentative and Alternative Communication  
Contact time: 5 web-based periods per week 5 other per week 1 dpw  
Period of presentation: Semester 1  
Language of tuition: Both Afr and Eng  
Credits: 30

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: 30

ECI 868 Social work 868  
Academic organisation: Centre for Augmentative and Alternative Communication  
Contact time: 1 dpw 5 web-based periods per week 2 other per week  
Period of presentation: Semester 1  
Language of tuition: Both Afr and Eng  
Credits: 30

ECI 869 Audiology 869  
Academic organisation: Centre for Augmentative and Alternative Communication  
Contact time: 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: 30

ECI 872 Collaborative problem solving 872  
Academic organisation: Centre for Augmentative and Alternative Communication  
Contact time: 5 web-based periods per week 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  
Contact time: 5 dpw  
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  
Contact time: 5 dpw  
Period of presentation: Semester 1  
Language of tuition: English  
Credits: 20
EHM 770 Basis in environmental health 770
Academic organisation: School of Health Systems and Public 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 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 871 Health risk assessment 871
Academic organisation: School of Health Systems and Public Health
Prerequisite: EOH 871
Period of presentation: Year
Language of tuition: English
Credits: 10

EHM 872 Methods of exposure assessment 872
Academic organisation: School of Health Systems and Public Health
Prerequisite: EOM 870
Period of presentation: Year
Language of tuition: English
Credits: 10

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

EHM 880 Basis of environmental health 880
Academic organisation: School of Health Systems and Public Health
Contact time: 1 week of contact time with 36 hours of lectures (25) practicals (5) and seminars (6). There are in addition 64 hours of notional learning through private study and assignments.
Period of presentation: Year
Language of instruction: English
Credits: 10
Module content:
The principles of environmental health and environmental measures to prevent and control disease, both infectious and non-infectious diseases. The syllabus also includes ethical concepts previously learned during part of the discontinued module HET 870.

EHM 890 Dissertation Environmental health 890
Academic organisation: School of Health Systems and Public Health
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 180
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

EOC 770 Ethics and values in healthcare, organisational behaviour change and strategy in health 770
Academic organisation: Public Health Medicine
Contact time: 50 hours per week
Period of presentation: Year
Language of tuition: English Credits: 10

Module content:
The delivery of healthcare services requires high ethical values and standards to promote quality of life which improve patient outcomes. The innovative and creative leader in the health sector will be provided with skills in dealing with organisational behaviour patterns which influence behaviour change and policy strategy. The module will focus on the difficulties in changing workplace behaviour and mechanisms of how to sustain change strategies which are workable and enabling.

EOH 770 Introduction to environmental and occupational health 770
Academic organisation: Public Health Medicine
Contact time: 1 ppw 1 other per week 16 lpw
Period of presentation: Year
Language of tuition: English Credits: 10

EOH 771 Environmental and occupational hygiene measuring techniques 771
Academic organisation: School of Health Systems and Public Health
Contact time: 8 days
Period of presentation: Year
Language of tuition: English Credits: 20

Module content:
The module involves the in-depth study of environmental and occupational hygiene measuring techniques. The focus of this module is the theoretical principles and the practical application of measuring techniques used to conduct environmental and occupational hygiene surveys. Relevant standards and guidelines to determine legal compliance are also discussed. Students must also complete practical coursework in the air quality 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.

EOH 772 Occupational health and safety legislation in South Africa 772
Academic organisation: School of Health Systems and Public Health
Contact time: 36 hours of lectures
Period of presentation: Year
Language of tuition: English Credits: 10

Module content:
The module involves the study of current relevant occupational health and safety legislation in South Africa. The focus is to enable learners to have a working knowledge of current Acts. Scenarios and case studies to illustrate the application of the Acts will be discussed.
EOH 773 Occupational hygiene examination 773
Academic organisation: School of Health Systems and Public Health
Period of presentation: Year
Language of tuition: English Credits: 0

EOH 774 Environmental health examination 774
Academic organisation: School of Health Systems and Public Health
Period of presentation: Year
Language of tuition: English Credits: 0

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: 10

EOH 871 Introduction to toxicology 871
Academic organisation: School of Health Systems and Public Health
Prerequisite: HME 870
Contact time: 1 ppw 16 lpw
Period of presentation: Year
Language of tuition: English Credits: 5

EOM 870 Environmental epidemiology 870
Academic organisation: School of Health Systems and Public Health
Prerequisite: EHM 871
Contact time: 16 lpw 1 ppw
Period of presentation: Year
Language of tuition: English Credits: 10

EPI 800 Epidemiology 800
Academic organisation: Public Health Medicine
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 900 Dissertation: Epidemiology 890
Academic organisation: Public Health Medicine
Period of presentation: Year
Language of tuition: Both Afr and Eng Credits: 100

EPI 900 Epidemiology 900
Academic organisation: Public Health Medicine
Period of presentation: Year
Language of tuition: English Credits: 1

EPI 990 Thesis: Epidemiology 990
Academic organisation: Public Health Medicine
Period of presentation: Year
Language of tuition: English Credits: 480

EPM 870 Analytical epidemiology 870
Academic organisation: School of Health Systems and Public Health
Prerequisite: BOS 871 and EPM 871
Contact time: 1 ppw 3 dpw
Period of presentation: Year
Language of tuition: English Credits: 5

EPM 873 Conducting surveys 873
Academic organisation: School of Health Systems and Public Health
Prerequisite: BOS 870
Contact time: 12 lpw 1 ppw
Period of presentation: Year
Language of tuition: English Credits: 10

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

EXE 110 Sports injuries I 110
Academic organisation: Biokinetics and Sports Science
Contact time: 3 lpw
Period of presentation: Semester 1
Language of instruction: Double medium Credits: 12
Module content:
*Closed – requires departmental selection
Biomechanical factors, causes of injuries, soft-tissue injuries, first aid (RICE), massage, strapping, and CPR.

EXE 111 Research methodology I 111
Academic organisation: Biokinetics and Sports Science
Contact time: 3 lpw
Period of presentation: Semester 1
Language of instruction: Double medium Credits: 12
Module content:
*Closed – requires departmental selection
Introduction to information technology in Sport and Exercise – computer skills; research techniques; library services and functions; searches, referencing techniques, plagiarism, ethics in research, theories in research.

**EXE 120 Motor learning and development I 120**  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 3 lpw  
**Period of presentation:** Semester 2  
**Language of instruction:** Double medium  
**Credits:** 12  
**Module content:**
*Closed – requires departmental selection*
A study, critique and analysis of human motor growth and development in regular populations. Growth, maturation, physical activity and performance of children and adolescents as they progress from birth to young adulthood are included.

**EXE 121 Exercise science programme development 121**  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 3 lpw  
**Period of presentation:** Semester 2  
**Language of instruction:** Double medium  
**Credits:** 12  
**Module content:**
*Closed – requires departmental selection*
Development of programmes for stretching and flexibility training, strength training, speed development and plyometrics, endurance training, exercise selection, and periodisation. Sport specific periodisation: concepts and applications.

**EXE 210 Sports injuries II 210**  
**Academic organisation:** Biokinetics and Sports Science  
**Prerequisites:** EXE 110  
**Contact time:** 3 lpw  
**Period of presentation:** Semester 1  
**Language of instruction:** Double medium  
**Credits:** 16  
**Module content:**
*Closed – requires departmental selection*
Overuse injuries, lower limb injuries, knee injuries, and shoulder injuries. Sport-specific injuries, sports massage, and advanced CPR.

**EXE 220 Applied nutrition 220**  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 3 lpw  
**Period of presentation:** Semester 2  
**Language of instruction:** Double medium  
**Credits:** 16  
**Module content:**
*Closed – requires departmental selection*
Nutrition and health, digestion, absorption and metabolism, carbohydrates, fats, proteins, energy balance and weight management. Food environment, nutrition during growth, nutrition and physical fitness, nutrition and stress management.

**EXE 221 Motor learning and development II 221**  
**Academic organisation:** Biokinetics and Sports Science  
**Prerequisites:** EXE 120  
**Contact time:** 3 lpw
Period of presentation: Semester 2
Language of instruction: Double medium
Credits: 16
Module content:
*Closed – requires departmental selection
This module introduces the field-based professional to the processes that underlie human movement learning. Principles of performance assessment, effective instruction, designing practice, rehabilitation and guidelines to optimise training experience, skill acquisition and performance will be included. Opportunities to apply principles and concepts will be incorporated.

EXE 301 Research methodology II
Academic organisation: Biokinetics and Sports Science
Prerequisites: EXE 111
Contact time: 3 lpw
Period of presentation: Year
Language of instruction: Double medium
Credits: 20
Module content:
*Closed – requires departmental selection
In this module the focus will be on fundamental quantitative or experimental research methodology, and statistics. The student will have the opportunity to demonstrate an understanding of the module through the medium of a written theoretical examination and a research proposal.

EXE 302 Functional anatomy
Academic organisation: Biokinetics and Sports Science
Prerequisites: SMC 210
Contact time: 3 lpw
Period of presentation: Year
Language of instruction: Double medium
Credits: 20
Module content:
*Closed – requires departmental selection
Practical application of anatomical knowledge in the evaluation and treatment of sport and orthopaedic injuries and conditions. The student will apply this knowledge in the writing of rehabilitation and exercise programmes.

EXE 310 Sports injuries (upper and lower quarter)
Academic organisation: Biokinetics and Sports Science
Prerequisites: EXE 210
Contact time: 3 lpw
Period of presentation: Semester 1
Language of instruction: Double medium
Credits: 15
Module content:
*Closed – requires departmental selection
This module focuses primarily on preparing the student for specialisation in biokinetics at postgraduate level. The focus is primarily on the anatomical position, symptoms and identification of the most important soft tissue injuries in sport and the use of exercise as a rehabilitation modality in the final phase of rehabilitation.

EXE 320 Measurement and evaluation
Academic organisation: Biokinetics and Sports Science
Contact time: 3 lpw
Period of presentation: Semester 2
**Language of instruction**: Double medium  
** Credits**: 15

**Module content:**  
*Closed – requires departmental selection*  
Selecting appropriate tests, testing protocols and procedures, and evaluation of test data.

**EXE 321 Applied nutrition 321**  
**Academic organisation**: Biokinetcs and Sports Science  
**Contact time**: 3 lpw  
**Period of presentation**: Semester 2  
**Language of instruction**: Double medium  
** Credits**: 20

**Module content:**  
*Closed – requires departmental selection*  
Drug-nutrient interaction, gastrointestinal diseases, diseases and the heart, diabetes mellitus, and nutrition and Aids.

**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  
**Prerequisite**: FAR 180  
**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 370 Clinical pharmacotherapy 370**  
**Academic organisation**: Pharmacology  
**Prerequisite**: BOK 280, (BOK 281 or (BOK 285,287)), 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  
**Prerequisite:** CMP 281, CMP 282, FAR 280  
**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 GS  
**Contact time:** 2 lpw  
**Period of presentation:** Semester 1  
**Language of tuition:** Double medium  
**Credits:** 18  
**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 GS  
**Contact time:** 2 lpw  
**Period of presentation:** Semester 2  
**Language of tuition:** Double medium  
**Credits:** 18  
**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 705 Pharmacology 705**  
**Academic organisation:** Pharmacology  
**Prerequisite:** As per yearbook  
**Contact time:** 6 lpw 16 ppw 2 spw  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 96
Module content
Covers the following topics: Immunology, pain and inflammation, pharmacokinetics, wound healing, proteomics, isotopes in medicine, pharmacogenetics, law, pharmaceutics, traditional medicines, plant-based medicines, lifestyle disorders, drug/drug interactions, drug adverse effects, malaria, cancer and malignancies and psycho/neuropharmacology, Good Clinical Practice (GCP), Good Laboratory Practice (GLP), Therapeutic Drug Monitoring (TDM), Overview of dispensing medicine. Practicals are as per study guide.

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

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 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

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

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.

FFD 801 Pharmacokinetics and pharmacodynamics 801
Academic organisation: Pharmacology
Period of presentation: Year
Language of tuition: Double medium Credits: 30

FFD 802 Pharmacokinetics and pharmacodynamics 802
Academic organisation: Pharmacology
Period of presentation: Year
Language of tuition: Double medium Credits: 30

FFD 803 Pharmacokinetics and pharmacodynamics 803
Academic organisation: Pharmacology
Period of presentation: Year
Language of tuition: Double medium Credits: 30

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 patho-physiology 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.

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 GS, CMY 127 GS, MLB 111, PHY 131 GS
Contact time: 2 lpw 1 ppw
Period of presentation: Semester 1
Language of tuition: English
Credits: 12
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
Contact time: 2 lpw 1 ppw
Period of presentation: Semester 1
Language of tuition: English
Credits: 12
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: 12
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: 12
Module content:
Nutrition, digestion and metabolism; hormonal control of the body functions and the
reproductive system.
Practical work: Experimental physiology.

FLG 331 Exercise and nutrition science 331
Academic organisation: Physiology
Prerequisite: BCM 251 GS, BCM 252 GS, BCM 261 GS, BCM 262 GS and FLG 221
and FLG 222
Contact time: 2 lpw
Period of presentation: Semester 2
Language of instruction: English
Credits: 18
Module content:
*Closed – requires departmental selection
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.

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

FMC 781 Cardiovascular diseases 781
Academic organisation: Family Medicine
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**Credits:** 12

**FMD 781 Chronic diseases 781**  
**Academic organisation:** Family Medicine  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**Module content:** Study of diabetes mellitis, asthma, epilepsy, hypertension, cardiac failure, obesity and chronic pain.

**FME 781 Medical ethics 781**  
**Academic organisation:** Family Medicine  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**Credits:** 12

**FMF 781 Psychiatry 781**  
**Academic organisation:** Family Medicine  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**Module content:** Psychiatry in family practice  
Study of depression, anxiety; suicide; the difficult adolescent; substance use and abuse; schizophrenia; dementia and delirium.

**FMG 781 Geriatrics 781**  
**Academic organisation:** Family Medicine  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**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  
**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-arthritis; 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

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 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

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: 15

FSA 876 Physiotherapeutic anatomy 876
Academic organisation: Anatomy
Period of presentation: Year
Language of tuition: Double medium  Credits: 24

FSG 110 Physiology 110
Academic organisation: Physiology
Contact time: 3 lpw
Period of presentation: Semester 1
Language of instruction: 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 instruction: 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, eytology 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 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 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.
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 270 Physiology 270  
**Academic organisation:** Physiology  
**Contact time:** 5 lpw 1 ppw  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 72  
**Module content:**  
Metabolism; neurophysiology; the somatic sensory system, pain and special senses; muscle physiology; haematology; cardiovascular system; respiratory system; the urinary system; the gastro intestinal system; the endocrine system; the reproductive system; temperature homeostasis, sickness behaviour and skin; immunology; bone and cartilage metabolism and fracture healing; and pathophysiology.

FSG 370 Applied physiology 370  
**Academic organisation:** Physiology  
**Prerequisite:** BOK 280, (BOK 281 or BOK 285,287)), 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:** Both Afr and Eng  
**Credits:** 12  
**Module content:**  
Consult the Department of Physiology for syllabus.
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 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 871 Physiology 871
Academic organisation: Physiology
Contact time: 1 lpw
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 15

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 876 Physiology 876
Academic organisation: Physiology
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 24

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 880 Sports physiology 880
Academic organisation: Physiology
Period of presentation: Year
Language of tuition: Double medium  Credits: 36
FSG 881 Physiology 881
Academic organisation: Physiology
Contact time: 1 dpw 1 lpw 1 spw
Period of presentation: Year
Language of tuition: Double medium
Module content: An in-depth knowledge of applicable physiological aspects.

Credits: 28

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

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
FTB 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

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

FTK 801 Clinical physiotherapy: Surgery 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: Internal medicine 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: Paediatrics 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: Neurology 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: Women’s health 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: Orthopaedics 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: Orthopaedic manual therapy 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: Sports medicine 808
Academic organisation: Physiotherapy
Contact time: 1 lpw 1 spw
Period of presentation: Year
Language of tuition: Both Afr and Eng Credits: 160
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 electrobio mechanics: 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.
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: 45
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, AIM 101, ELH 121 and 122
Contact time: 1 lpw 1 other per week
Period of presentation: Semester 2
Language of tuition: Both Afr and Eng Credits: 13
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 healthcare 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: 25
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: 50
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: 25
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 sports 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. The module includes 800 hours clinical experience in a variety of healthcare scenarios.
Examination period: October/November.
FTP 401 Physiotherapy research 401  
**Academic organisation:** Physiotherapy  
**Prerequisite:** MRZ 310, RHC 480, 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 480, 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 sports 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 healthcare scenarios.  
Examination period: October/November.

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
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

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:** 26

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:** 26

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:** 26

GAP 271 Community as patient 271  
**Academic organisation:** Community Dentistry  
**Prerequisite:** ELH 121, ELH 122, AIM 101, 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 ppw (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:** ODO 271, OFC 271, RAD 271, PDL 271, ORD 271, GAP 271, VKM 271, TBW 271  
**Contact time:** 2 ppw (30 week period) 2 practical sessions  
**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.

**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 800 Geriatrics 800**  
**Academic organisation:** Internal Medicine  
**Prerequisites:** PAG 806, ANA 893, FSG 801, FAR 804  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 300

**GER 900 Geriatrics 900**  
**Academic organisation:** Internal Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 1

**GER 990 Thesis: Geriatrics 990**  
**Academic organisation:** Internal Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 480

**GGK 800 Forensic medicine 800**  
**Academic organisation:** Forensic Health Sciences
**Health Sciences 2015**

**Prerequisites:** ANA 800, FSG 801, FAR 803, ANP 874  
**Contact time:** 1 spw 2 dpw  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  

**GGK 900 Forensic medicine 900**  
**Academic organisation:** Forensic Health Sciences  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  

**GGK 990 Thesis: Forensic medicine**  
**Academic organisation:** Forensic Health Sciences  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  

**GGS 800 Public health medicine 800**  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** English  

**GGS 801 Public health medicine 801**  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  

**GGS 890 Dissertation: Public health medicine 890**  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** English  

**GGS 900 Public health medicine 900**  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** English  

**GGS 990 Thesis: Public health medicine 990**  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** English  

**GIM 700 Medical immunology 700**  
**Academic organisation:** Immunology  
**Period of presentation:** Year  
**Language of tuition:** English  

**GIM 800 Examination: Medical immunology 800**  
**Academic organisation:** Immunology  
**Period of presentation:** Year  
**Language of tuition:** English
GIM 890 Dissertation: Medical immunology 800
Academic organisation: Immunology
Period of presentation: Year
Language of tuition: English
Credits: 240

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 700 Medical nuclear science 700
Academic organisation: Nuclear Medicine
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 96

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

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 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
Contact time: 2 lpw
Period of presentation: Quarter 2
Language of tuition: Both Afr and Eng  Credits: 6
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: FLG 211 GS, FLG 212 GS
Contact time: 2 lpw
Period of presentation: Quarter 3
Language of tuition: Both Afr and Eng  Credits: 6
Module content:
Systemic bacteriology.
Commonly occurring bacterial infections and the bacteria that cause them.

GMB 254 Medical microbiology 254
Academic organisation: Medical Microbiology
Prerequisite: FLG 211 GS, FLG 212 GS
Contact time: 2 lpw
Period of presentation: Quarter 4
Language of tuition: Both Afr and Eng  Credits: 6
Module content:
Fungi, parasitology and virology.
Commonly occurring fungal, viral and parasite infections and infestations, and the organisms that cause them.

GMB 700 Medical microbiology 700
Academic organisation: Medical Microbiology
Contact time: 1 spw 1 dpw 4 lpw
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 96

GMB 800 Medical microbiology 800
Academic organisation: Medical Microbiology
Prerequisite: GMB 801, or Capita selecta from APY 871, CHP 871, HEM 871, GVR 871
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

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

GMP 800 Health human resource planning 800
Academic organisation: Community Dentistry
Period of presentation: Year
Language of tuition: English
Credits: 24

GNF 700 Medical physics: Practical work 700
Academic organisation: Radiation Oncology
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

**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

**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

**GNK 120 Orientation 120**  
Academic organisation: Health Sciences Dean’s Office  
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 healthcare 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  
Contact time: 2 dpw 5 spw 6 lpw 15 ppw  
Period of presentation: Semester 2
**GNK 128 Introduction to clinical pharmacotherapy 128**

**Academic organisation:** Pharmacology

**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 188 Anatomy 188**

**Academic organisation:** Anatomy

**Contact time:** 18 lpw 2 ppw

**Period of presentation:** Semester 2

**Language of tuition:** English

**Credits:** 56

**Module content:**
- Systemic anatomy and embryology:
  - An introduction to anatomical terminology, the musculoskeletal system, nervous system, surface anatomy, cardiovascular system, respiratory system, urogenital system, gastrointestinal system, and the endocrine system and human embryology.
  - Human osteology:
    - 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.
  - Human histology:
    - 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.

**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, AIM 101, ELH 121 and 122.

**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, AIM 101, ELH 121 and 122.
Contact time: 2 lpw
Period of presentation: Year
Language of tuition: Both Afr and Eng

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, AIM 101, ELH 121 and 122.
Contact time: 1 other per week 8 ppw
Period of presentation: Semester 1 and/or 2
Language of tuition: Both Afr and Eng

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, AIM 101, ELH 121 and 122.
Contact time: 14 lpw
Period of presentation: Semester 1
Language of tuition: English

Module content:
Clinically applied regional dissection of the upper limb, neck and back, head, brain, thorax, abdomen, pelvis and lower limb.

GNK 289 Anatomy 289
Academic organisation: Anatomy
Prerequisite: PHY 131, MGW 112, MLB 111, MTL 180, CMY 151, FIL 155, GNK 188, IDE 170, POH 170, SEP 110,
Contact time: 15 lpw
Period of presentation: Semester 1
Language of tuition: English

Module content:
Clinically applied regional approach to human anatomy. Detailed cadaveric dissection of the head and neck, brain and spinal cord, axilla, upper limb, thorax, back and abdomen. Particular emphasis will be given to the head and neck region. The perineum, pelvis and lower limb will not be dissected, but taught with the aid of prospected specimens.

GNK 381 Heart and blood vessels 381
Academic organisation: Internal Medicine
Prerequisite: BOK 280, GNK 288, BOK 284, GPS 280, (BOK 281 or (BOK 285, BOK 287)) GNK 283, GNK 286, LCP 280, SMO 281, SMO 211
Contact time: 16 lpw
Period of presentation: Semester 1
Language of tuition: Both Afr and Eng

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 Lungs and chest 383  
**Academic organisation:** Internal Medicine  
**Prerequisite:** BOK 280, GNK 288, BOK 284, GPS 280, (BOK 281 or (BOK 285, BOK 287)), GNK 283, GNK 286, LCP 280, SMO 281, SMO 211.  
**Contact time:** 12 lpw  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**Credits:** 20  
**Module content:**  
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 or (BOK 285, BOK 287)), GNK 283, GNK 286, LCP 280, SMO 281, SMO 211  
**Contact time:** 2 lpw  
**Period of presentation:** Semester 2  
**Language of tuition:** Both Afr and Eng  
**Credits:** 10  
**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 or (BOK 285, BOK 287)), GNK 283, GNK 286, LCP 280, SMO 281, SMO 211  
**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 or (BOK 285, 287)), GNK 286, GPS 280, IKT 200, BOK 280, SMO 211, SMO 281, LCP 280  
**Contact time:** 12 ppw 16 dpw 4 lpw 8 spw  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**Credits:** 12  
**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 482 Forensic medicine 482  
Academic organisation: Forensic Medicine  
Prerequisite: GPS 380, LCP 380, GNK 381, GNK 383, BOK 380, GNK 386, SMO 311, SMO 380, LCP 380, BOK 382, GNK 488, SMO 382  
Contact time: 1 week (40 lectures)  
Period of presentation: Semester 2  
Language of tuition: English  
Credits: 6  
Module content:  
(a) Forensic pathology, thanatology, traumatology  
(b) Medicine and law, medical law

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 interdisciplinary 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:** Internal 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 or (BOK 285,287)), GNK 283, GNK 288, SMO 211, LCP 280
**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: 27

Module content:
This module aims to integrate the concepts of Family Medicine and Community Medicine for the delivery of healthcare 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, SMO 411  
**Contact time:** 4 lpw 5 ppw  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**Credits:** 4  
**Module content:**  
Forensic medicine morning rotation.

**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-related subdisciplines 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: Both Afr and Eng 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
Module content: Paediatrics (7 weeks) in the Student Intern Complex.
Credits: 40

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
Module content: Community-based education (3½ weeks) in the Student Intern Complex.
Credits: 20

GNK 689 Diagnostic laboratory medicine 689
Academic organisation: Health Sciences Dean’s Office
Contact time: 40 ppw
Period of presentation: Semester 1
Language of tuition: Both Afr and Eng
Module content: Diagnostic laboratory medicine (2 weeks); image-forming medicine; evidence-based medicine and bioethics (two days) in the Student Intern Complex.
Credits: 11

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: Both Afr and Eng
Module content: Urology (2 weeks) in the Student Intern Complex.
Credits: 11

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
Module content: Family medicine (3½ weeks) in the Student intern complex.
Credits: 20

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
Module content: Community obstetrics.
Credits: 20
Module content:
Community obstetrics (3½ weeks) in the Student Intern Complex.

GNK 693 Neurology 693
Academic organisation: Neurology
Prerequisite: GNK 581, GNK 582, GNK 583, GNK 585, GNK 586, SMO 511, SMO 512
Contact time: 40 ppw
Period of presentation: Semester 1 or Semester 2
Language of tuition: Both Afr and Eng

Module content:
Neurology (3½ weeks) in the Student Intern Complex.

GOM 370 General and oral microbiology 370 *(offered as from 2016)*
Academic organisation: Medical Microbiology
Contact time: 1 lpw (involves lectures, tutorials, practical sessions and symposia)
Period of presentation: Year
Language of tuition: English

Module content:
Infectious diseases in the various body systems:
This module is an introduction to infectious diseases occurring in the various body systems. The block will cover diseases caused by the organisms, pathogenesis, specimen collection, laboratory diagnosis as well as management (treatment, prevention and control) of these infections.
Oral microbiology:
This module will provide knowledge to dental students about clinical microbiology and infectious diseases as well as basic principles for the recognition and identification of infectious agents relevant to the discipline of dentistry. Furthermore, the role of relevant organisms that are associated with the oral cavity in health and disease and understand diagnosis and be able to recognise patients with infections related to dentistry.

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

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

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, or (BOK 285, BOK 287), SMO 211, GNK 286, BOK 284, SMO 281
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**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:** 240

GTH 990 Thesis: Community dentistry 990  
**Academic organisation:** Community Dentistry  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 270

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:** 25  
**Module content:**  

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:** 25  
**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:** 50  
**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:** 18  
**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:** 18  
**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:** 44  
**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.

**GVR 700 Medical virology 700**

**Academic organisation:** Medical Virology  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 96

**GVR 800 Medical virology 800**

**Academic organisation:** Medical Virology  
**Prerequisites:** GVR 801 or capita selecta from APY 871, CHP 871, HEM 871, GMB 871  
**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: Year
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

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 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

HAK 800 Family medicine 800
Academic organisation: Family Medicine
Prerequisites: AEH 801, FSG 809, DLM 807
Contact time: 1 dpw
Period of presentation: Year
Language of tuition: Both Afr and Eng Credits: 300

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
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Academic organisation</th>
<th>Prerequisite</th>
<th>Contact Time</th>
<th>Period of Presentation</th>
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<tbody>
<tr>
<td>HCE 770</td>
<td>Introduction to health economics 770</td>
<td>School of Health Systems and Public Health</td>
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<td>Year</td>
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<td>HCF 770</td>
<td>Financial management in public health 770</td>
<td>School of Health Systems and Public Health</td>
<td></td>
<td>1 dpw 1 spw 1 other per week 1 ppw 1 lpw</td>
<td>Year</td>
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<td>Financial management in public health 870</td>
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<td></td>
<td>1 spw 1 dpw 1 lpw 1 other per week</td>
<td>Year</td>
<td>English</td>
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<td>HCI 770</td>
<td>Health systems operations management 770</td>
<td>School of Health Systems and Public Health</td>
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<td>16 lpw</td>
<td>Year</td>
<td>English</td>
<td>10</td>
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<tr>
<td>HCI 870</td>
<td>Health systems operations management 870</td>
<td>School of Health Systems and Public Health</td>
<td></td>
<td>1 ppw 1 lpw 1 dpw 1 other per week 1 spw</td>
<td>Year</td>
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<tr>
<td>HCL 770</td>
<td>Legislation and health 770</td>
<td>School of Health Systems and Public Health</td>
<td></td>
<td>1 ppw 1 other per week 1 spw 1 dpw 1 lpw</td>
<td>Year</td>
<td>English</td>
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<tr>
<td>HCL 771</td>
<td>Occupational health law 771</td>
<td>School of Health Systems and Public Health</td>
<td></td>
<td>1 ppw 16 lpw</td>
<td>Year</td>
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<tr>
<td>HCL 870</td>
<td>Legislation and health 870</td>
<td>School of Health Systems and Public Health</td>
<td></td>
<td>1 other per week 1 spw 1 ppw 1 lpw 1 dpw</td>
<td>Year</td>
<td>English</td>
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HCM 772 Health policy and systems 772
Academic organisation: School of Health Systems and Public 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: School of Health Systems and Public Health
Prerequisite: EOH 770
Contact time: 16 lpw 1 ppw
Period of presentation: Year
Language of tuition: English  Credits: 10

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

HCM 873 Managing occupational health services 873
Academic organisation: School of Health Systems and Public Health
Prerequisite: EOH 870
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: School of Health Systems and Public Health
Prerequisite: HME 770 or HME 772
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
Prerequisite: HME 870
Contact time: 1 lpw 1 ppw 1 spw 1 dpw 1 other per week
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 700 Haematology 700
Academic organisation: Haematology
Period of presentation: Year
Language of tuition: Double medium Credits: 96

HEM 800 Haematology 800
Academic organisation: Haematology
Prerequisites: FSG 801, HEM 801, or capita selecta from APY 871, CHP 871, GMB 871, GVR 871
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: Year
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

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

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.

**HIN 770 Introduction to monitoring and evaluation for health managers 770**  
**Academic organisation:** School of Health Systems and Public Health  
**Period of presentation:** Year  
**Contact time:** 16 lpw 1 ppw  
**Language of tuition:** English  
**Credits:** 10  
**Module content:**  
This is an introductory module on Monitoring and Evaluation (M&E) designed to provide students with knowledge, attitudes and skills regarding M&E frameworks, health information and data systems and indicators, evaluation designs, development of M&E plans, data collection, processing and use and feedback of M&E results, within the context of health systems strengthening. At the end of the module the student should be able to define M&E concepts in the context of health systems strengthening; describe M&E frameworks; design an M&E plan; understand health information systems and data collection, processing and understand how M&E results can be used for health systems strengthening.

**HIN 870 Introduction to monitoring and evaluation for health managers 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  
**Module content:**  
This is an introductory module on Monitoring and Evaluation (M&E) designed to provide students with knowledge, attitudes and skills regarding M&E frameworks, health information and data systems and indicators, evaluation designs, development of M&E plans, data collection, processing and use and feedback of M&E results, within the context of health systems strengthening. At the end of the module the student should be able to define M&E concepts in the context of health systems strengthening; describe M&E frameworks; design an M&E plan; understand health information systems and data collection, processing and understand how M&E results can be used for health systems strengthening.

**HME 770 Epidemiology 1 770**  
**Academic organisation:** School of Health Systems and Public Health  
**Contact time:** 2 weeks of contact time with 80 hours of lectures (50) and practicals (30). There are in addition 20 hours of notional learning through private study and assignments.  
**Period of presentation:** Year  
**Language of instruction:** English  
**Credits:** 10  
**Module content:**  
Basic epidemiology The principles of epidemiology including applied epidemiology (eg. infectious disease epidemiology, clinical epidemiology and operational research). The use of EpilData software for questionnaire design and data collection.

**HME 772 Primary epidemiology 772**  
**Academic organisation:** Public Health Medicine  
**Contact time:** 1 other per week 8 lpw  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 10
HME 870 Epidemiology 1 870
Academic organisation: School of Health Systems and Public Health
Contact time: 2 weeks of contact time with 80 hours of lectures (50) and practicals (30). There are in addition 20 notional study hours for self-study and assignments.
Period of presentation: Year
Language of instruction: English Credits: 10
Module content:
The principles of epidemiology including applied epidemiology (e.g. infectious disease epidemiology, clinical epidemiology and operational research). The use of EpiData software for questionnaire design and data collection.

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: 15

HMS 771 Scientific writing 771
Academic organisation: School of Health Systems and Public Health
Contact time: 14 lpw
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
Prerequisite: EPM 874, BOS 870
Contact time: 40 lpw
Period of presentation: Year
Language of tuition: English Credits: 5

HNT 210 Human nutrition 210
Academic organisation: Human Nutrition
Prerequisite: Second-year status
Contact time: 1 dpw 1 lpw
Period of presentation: Semester 1
Language of tuition: Double medium Credits: 27
Module content:

HNT 220 Human nutrition 220
Academic organisation: Human Nutrition
Prerequisite: FLG 211 GS, FLG 212 GS, BCM 253, BCM 254, BCM 255, BCM 256, HNT 210
Contact time: 1 dpw 3 lpw
Period of presentation: Semester 2
Language of tuition: English
Credits: 24
Module content:
Human nutrition in the life cycle: Nutritional screening, nutritional needs, nutrition problems and prevention thereof, growth monitoring and meal/menu planning.

HNT 411 Advanced human nutrition 411
Academic organisation: Human Nutrition
Prerequisite: Fourth-year status
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.

HNT 701 Nutrition 701
Academic organisation: Human Nutrition
Contact time: 1 hour contact time per week
Period of presentation: Semester 1
Language of instruction: Double medium
Credits: 14
Module content:
Nourishment is very important in the lifestyle of any people. Many problems that threaten the wellness of people arise from a lack of knowledge about nutrition. Nutrition is also very important in the preparation of sportsmen. In this module, the principles of nutrition are covered with specific approaches to work-like situations such as the "sport diet" and "carbolading".

HPF 770 Health system and transformation policy (political analysis, strategy and finance options) 770
Academic organisation: Public Health Medicine
Contact time: 50 hours per week
Period of presentation: Year
Language of tuition: English
Credits: 10
Module content:
Reform in SA – What is the problem? To include variations among provinces and districts, measurement issues, etc. Financing NHI: Revenue sources (general taxes, payroll taxes, etc.) the role of private insurance, fiscal space and the public finance situation in SA, covering the informal sector, etc.
Pay for performance as a policy tool: practical difficulties and the critical role for management in implementation. Overview of payment: Options for paying doctors and hospitals, the role of contracting, likely consequences and implementation issues. Politics and the reform process: Stakeholder analysis and mobilising support for reform. Financing NHI: Revenue sources (general taxes, payroll taxes, etc.) the role of private insurance, fiscal space and the public finance situation in S.A., covering the informal sector, etc. Organising NHI: national vs. provincial, public vs. quasi-public, roles for private administrators, choices about fiscal autonomy, relationship to various ministries. Government and market failures and the role of the public and private sectors – including corruption issues in both areas. Benefit package and targeting: Introduction to the ‘step pyramid’. What should be covered and for whom? What role for co-payments as incentive
and revenue source. The developmental transformation of the healthcare system is informed by the political context and the constitutional imperatives for access to care, which is, the main purpose of the healthcare system. This module will provide the participant with analytical tools to interpret the political economy of health and to develop strategies which can respond to the health needs on the ground in a practical manner so that the impact of the health policy is understood and how it informs the type of executive leader required to deliver the results of effective and efficient healthcare delivery. Participants will be trained in costing the pooling, provisioning and procurement of health services as District or Hospital Managers to allow for the effective and efficient running of the services over which they have authority. Training will focus on their Units becoming a Cost Centre for the management of the finances allocated by the Provincial Health Authority as well as capacity building in the event that delegations for autonomy is devolved of their level of employment. The importance of performance management will be the focus in relation to optimal budget performance, allocation within the institution as well as meeting performance targets and outcome measures.

HRM 770 Principles of human resource management 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

HRM 771 Strategic human resources and management performance 771
Academic organisation: Public Health Medicine
Contact time: 50 hours per week
Period of presentation: Year
Language of tuition: English
Credits: 10
Module content:
Participants will be taught the critical importance of human resource development and management strategies required for an effective district healthcare system which is required for an effective NHI-based healthcare system. HR planning, forecasting, analysis, implementation and evaluation processes will be integrated into service delivery target achievement. The different types of human resources and their roles for effective service delivery in working in an integrated healthcare system will be used in case studies developed in the SA health context.

HRM 870 Principles of human resource management 870
Academic organisation: Public Health Medicine
Contact time: 1 ppw 16 lpw
Period of presentation: Year
Language of tuition: English
Credits: 10

HSR 770 Health systems re-engineering including public sector centralisation and decentralisation 770
Academic organisation: Public Health Medicine
Contact time: 50 hours per week
Period of presentation: Year
Language of tuition: English
Credits: 10
Module content: (District) Health systems (and hospital) re-engineering including public sector centralisation and decentralisation. The re-engineering of the health system is one of the key pillars of the SAELPH
programme with focus on improvement of services in the DHS. The new thrust of the national DOH with PHC as a key focus requires a new type of health leader who can understand the central role of PHC in a future equitable and efficient healthcare system. This module will assist to reshape the thinking of public health leaders towards building sound foundation strategies for the delivery of essential healthcare services primarily at the DHS level and its impact on the overall healthcare system. Development of a decentralisation case – a South African example focused on a district as the ‘man in the middle’ of the decentralisation process including the need for information, problems of supervision. Understand the international experience in re-engineering public sector providers, with special emphasis on PHC and how they will function in a future NHI.

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: 100

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: 240

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: 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: Year  
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: Year  
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: Year  
Language of tuition: English  
Credits: 5
ICX 874 Integrative case study (5) 874
Academic organisation: School of Health Systems and Public Health
Contact time: 40 lpw
Period of presentation: Year
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: Year
Language of tuition: English  Credits: 5

IDE 170 Integrated dentistry 170
Academic organisation: Dental Management Sciences
Contact time: 1 lpw 2 ppw
Period of presentation: Semester 2
Language of tuition: English  Credits: 28
Module content:
Introduction to clinical dentistry:
- Infection control training.
- Occupational health and safety training.
- Code of conduct, professionalism and ethical behaviour.
- Academic skills training (library, goal-orientation, time management, etc.).
- Basic dental assisting.
- Basic tooth anatomy and terminology.
- Dental terminology.
- Psychomotor skills training (model casting, carving of teeth out of plaster, wax work).
- Introduction to the disciplines and specialities.
- Third language training.
- Clinic visits throughout the year.
- Visits to a dental practice.

IDE 270 Integrated dentistry 270
Academic organisation: Dental Management Sciences
Prerequisites: PHY 131, MGW 112, MLB 111, MTL 180, CMY 151, FIL 155, GNK 188, IDE 170, POH 170, SEP 110
Contact time: 1 lpw 1 ppw (first semester) 2 lpw 2 ppw (second semester)
Period of presentation: Year
Language of tuition: English  Credits: 37
Module content:
- Clinic visits and visits to a dental practice.
- Patient administration training.
- Psychomotor skills training (model casting, carving teeth out of plaster, wax work, wire bending).
- Pre-clinical communication training – building up rapport with a patient and interviewing skills (commences in the second semester).
- Examination skills training (commences in the second semester).

IGK 800 Internal medicine 800
Academic organisation: Internal Medicine
Prerequisites: ANA 800, FSG 801, FAR 806, PAG 808
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 300
IGK 804 Internal medicine 804
**Academic organisation:** Internal Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 36

IGK 805 Internal medicine 805
**Academic organisation:** Internal Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 36

IGK 900 Internal medicine 900
**Academic organisation:** Internal Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 1

IGK 990 Thesis: Internal medicine 990
**Academic organisation:** Internal Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 480

IHL 120 Integrated healthcare leadership 120
**Academic organisation:** School of Healthcare Sciences  
**Contact time:** 2 lpw 2 hpw  
**Period of presentation:** Semester 2  
**Language of tuition:** English  
**Module content:**  
Multidisciplinary team work. Healthcare systems and legislation. Determinants of health. Introduction to healthcare models (e.g. community-based care, family-centred care, etc.). Professionalism, ethical principles. Management of diversity.  
**NB:** Only for School of Healthcare students.

IHL 210 Integrated healthcare leadership 210
**Academic organisation:** School of Healthcare Sciences  
**Prerequisite:** IHL 111/2/3, IHL 120  
**Contact time:** 2 lpw 2 hpw  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**Credits:** 8  
**Module content:**  
Principles of project management. Communication principles. Health promotion and education, advocacy and literacy. Counselling for health behaviour change.  
**NB:** Only for School of Healthcare students.

IHL 310 Integrated healthcare leadership 310
**Academic organisation:** School of Healthcare Sciences  
**Prerequisite:** IHL 111/2/3, IHL 120, IHL 210, IHL 221/2/3/4  
**Contact time:** 2 lpw 2 hpw  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**Credits:** 8  
**Module content:**  
**NB:** Only for School of Healthcare students.
IHL 324 Integrated healthcare leadership 324
Academic organisation: Physiotherapy
Prerequisite: IHL 120, IHL 210, IHL 310
Contact time: 2 lpw 2 hpw
Period of presentation: Semester 2
Language of tuition: English
Module content: Credits: 8
End-of-life care; preventing and managing sexual harassment; giving and receiving feedback; self and time management; reflexive caring; practice; the International Classification of Functioning; Disability and Health (ICF); working with mid-level workers; leadership management and evidence-based practice; ethics in physiotherapy practice; medico-legal documentation.

IHL 413 Interprofessional health management 413
Academic organisation: Occupational Therapy
Prerequisite: ANP 210, RPD 380, SEP110/ZUL110 AKU 303, AKU 381, AKU 382, ART 381, ART 382, ELH 121, ELH 122, AIM 101
Contact time: 2 hours per week x 14 weeks
Period of presentation: Semester 1
Language of tuition: English Credits: 5

IHL 414 Integrated healthcare leadership 414
Academic organisation: Physiotherapy
Prerequisite: IHL 120, IHL 210, IHL 310, IHL 324
Contact time: 2 ppw 2 hpw
Period of presentation: Semester 1
Language of tuition: English Credits: 8
Module content: Ethical management of community physiotherapy programmes, including physiotherapy aspects of community-orientated primary healthcare. Continuing professional development, private practice management and labour law.

IHL 424 Integrated healthcare leadership 424
Academic organisation: Physiotherapy
Prerequisite: IHL 120, IHL 210, IHL 310, IHL 324
Contact time: 2 ppw 2 hpw
Period of presentation: Semester 2
Language of tuition: English Credits: 8
Module Content: Ethical management of community physiotherapy programmes, including physiotherapy aspects of community-based primary healthcare. Sustained professional development, private practice management and labour law.

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: 1 other per week 3 ppw 4 lpw
Period of presentation: Quarter 3
Language of tuition: Double medium

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

Module content:
The interpersonal process. Factors influencing communication. Intervention strategies. Pathology factors which influence the communication process.

INX 700 Instrumentation 700
Academic organisation: Radiography
Contact time: 1 dpw 1 lpw 1 ppw
Period of presentation: Year
Language of tuition: Both Afr and Eng

KDE 700 Nuclear medicine 700
Academic organisation: Radiography
Contact time: 1 dpw 1 spw 1 lpw 1 ppw
Period of presentation: Year
Language of tuition: Both Afr and Eng

KDE 701 Nuclear medicine 701
Academic organisation: Radiography
Contact time: 1 dpw 2 spw
Period of presentation: Year
Language of tuition: Double medium

KDE 801 Nuclear medicine 801
Academic organisation: Nuclear Medicine
Prerequisites: ANA 809, FSG 801, KDE 802, PAG 801, RCF 800
Period of presentation: Year
Language of tuition: Both Afr and Eng

KDE 802 Nuclear physics 802
Academic organisation: Nuclear Medicine
Period of presentation: Year
Language of tuition: Both Afr and Eng

KDE 890 Dissertation: Nuclear medicine 890
Academic organisation: Radiography
Period of presentation: Year
Language of tuition: Both Afr and Eng

KEM 800 Clinical epidemiology 800
Academic organisation: Public Health Medicine
Period of presentation: Year
Language of tuition: Both Afr and Eng
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 012 354 1472).

KEM 890 Dissertation: Clinical epidemiology 890
Academic organisation: Public Health Medicine
Period of presentation: Year
Language of tuition: Both Afr and Eng Credits: 100

KGE 800 Paediatrics 800
Academic organisation: Paediatrics
Prerequisites: ANA 805, FSG 801, PAG 802
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

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 701 Maxillofacial and oral surgery 701
Academic organisation: Maxillofacial and Oral Surgery
Period of presentation: Year
Language of tuition: Both Afr and Eng Credits: 100

KGM 800 Maxillofacial and oral surgery 800
Academic organisation: Maxillofacial and Oral Surgery
Contact time: 1 dpw 1 ppw
Period of presentation: Year
Language of tuition: Both Afr and Eng Credits: 24

KGM 802 Maxillofacial and oral surgery 802
Academic organisation: Maxillofacial and Oral Surgery
Contact time: 1 dpw 1 spw
Period of presentation: Year
Language of tuition: Both Afr and Eng Credits: 700
KGM 803 Maxillofacial and oral surgery 803  
**Academic organisation:** Maxillofacial 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: Maxillofacial and oral surgery 890  
**Academic organisation:** Maxillofacial and Oral Surgery  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 240

KGM 891 Clinical training 891  
**Academic organisation:** Maxillofacial and Oral Surgery  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 120

KGM 895 Essay: Maxillofacial and oral surgery 895  
**Academic organisation:** Maxillofacial and Oral Surgery  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 24

KGM 990 Thesis: Maxillofacial and oral surgery 990  
**Academic organisation:** Maxillofacial and Oral Surgery  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 270

KGR 801 Maxillofacial röntgenology 801  
**Academic organisation:** Oral Pathology and Oral Biology  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 24

KGW 800 Quantitative health sciences 800  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 1

KGW 890 Dissertation: Quantitative health sciences 890  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 240

KOZ 701 Clinical oncology and tumour pathology 701  
**Academic organisation:** Radiography  
**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 Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 96
KRT 800 Medical criminalistics 800  
**Academic organisation:** Forensic Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 1

KRT 890 Dissertation: Medical criminalistics 890  
**Academic organisation:** Forensic Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 240

KVG 110 Clinical nursing science 110  
**Academic organisation:** Nursing Science  
**Contact time:** 2 lpw  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**Credits:** 10  
**Module content:**  
Statutory framework and scientific basis for clinical nursing practice.  

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:** 10  
**Module content:**  
Clinical reasoning in nursing practice.  
Reflective clinical nursing practice.  

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:** 33  
**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:** 34  
**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:** 40  
**Module content:**  
Role and functions of clinical nursing specialists in their area of specialisation. Contemporary trends, issues and dilemmas in clinical nursing practice.

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.

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:** 0  
**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
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:** 0
**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:** 0
**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:** 0
**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.

LHE 770 Executive leadership in health (including responsible leadership) 770
Academic organisation: Public Health Medicine
Contact time: 50 hours per week
Period of presentation: Year
Language of tuition: English
Credits: 10
Module content:
The application of the principles of Executive Leadership in the health sector will be examined with focus on several modalities of leadership including meta-leadership with a focus on examining why its application by health leaders are met with so much difficulty. The challenges which prevail in the pilot districts for the National Health Insurance will be analysed. Participants will be expected to do pre-course reading in preparation for the module as well as a post-module assignment which may include the writing up and development of a strategic plan with a focus on executive leadership principles. Application of responsible leadership strategies in to the public health sector. The focus on contemporary views of responsible leadership in South Africa and measures to redress the shortcomings in taking responsibility and being accountable for your actions. What is the vision for responsible leadership on the horizon in the next 5 to 15 years and how can a health manager reposition his/her thinking to meet the demands and the role they are to play in the new NHI-funded system in the position they presently occupy. What does it mean to lead in a responsible manner be it at district, provincial or national level. This will include the call for courageous scholarship and strategies to lead collectively in a responsible manner.

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: School of Health Systems and Public Health
Contact time: 3 contact weeks per year, each consisting of 8 hours per day for 5 days, including group discussions, problem feedback, class presentations, specialised lectures and visits to industry.
Period of presentation: Year
Language of tuition: English
Credits: 85
Module content:
The purpose of this module is to teach the fundamentals of aerospace medicine. Topics addressed in this module include:
Aviation physiology (The aviation working environment, cognition, decision making, communication, sleep and fatigue, physics of the atmosphere, hypobarism, hypoxia, vision, spatial disorientation, acceleration, radiation, noise, vibration hyper/hypothermia.)
Clinical aviation medicine (Incapacitation during flight, aging, cardiology, neurology, ophthalmology, ENT, pulmonology, psychiatry, metabolic/endocrine, malignancy,
digestive system, haematology, urinary, renal, gynaecological/obstetric, musculoskeletal, infective, medication.)
Aviation medical regulations (Regulations of the International Civil Aviation Organisation and the South African Civil Aviation Authority.)

**LRG 871 Aerospace medicine 871**
**Academic organisation:** School of Health Systems and Public Health
**Contact time:** 3 contact weeks per year, each consisting of 8 hours per day for 5 days, including group discussions, problem feedback, class presentations, specialised lectures and visits to industry.
**Period of presentation:** Year
**Language of tuition:** English
**Credits:** 70

**Module content:**
The purpose of this module is to teach the fundamentals of aerospace medicine.
Topics addressed in this module include:
- Aviation Physiology (The Aviation working environment, cognition, decision-making, communication, sleep and fatigue, physics of the atmosphere, hypobarism, hypoxia, vision, spatial disorientation, acceleration, radiation, noise, vibration hyper/hypothermia)
- Clinical Aviation Medicine (Incapacitation during flight, aging, cardiology, neurology, ophthalmology, ENT, pulmonology, psychiatry, metabolic/endocrine, malignancy, digestive system, haematology, urinary, renal, gynaecological/obstetric, musculoskeletal, infective, medication)
- Aviation medical regulations (Regulations of the International Civil Aviation Organisation and the South African Civil Aviation Authority)
- Travel medicine.

**LRG 890 Dissertation: Aerospace medicine 890**
**Academic organisation:** Aerospace Medicine
**Period of presentation:** Year
**Language of tuition:** English
**Credits:** 240

**LRG 900 Aerospace medicine 900**
**Academic organisation:** Aerospace Medicine
**Period of presentation:** Year
**Language of tuition:** English
**Credits:** 1

**LRG 990 Aerospace medicine 990**
**Academic organisation:** Aerospace Medicine
**Period of presentation:** Year
**Language of tuition:** English
**Credits:** 480

**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

**MBG 705 Microbiology 705**
**Academic organisation:** Oral Pathology and Oral Biology
**Period of presentation:** Year
**Language of tuition:** Both Afr and Eng
**Credits:** 24
MBG 800 Microbiology 800  
**Academic organisation:** Medical Microbiology  
**Prerequisite:** APA 800  
**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

MBK 210 Sports psychology 210  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 3 lpw  
**Period of presentation:** Quarter 1 and Quarter 2  
**Language of instruction:** Double medium  
**Credits:** 10  
**Module content:**  
*Closed – requires departmental selection*  
Sports psychology on second-year level is a general introductory module that orientates the student in sports psychology as a science. The module focuses on psychological principles and human behaviour in an exercise and sports context. This includes the study of sports and exercise behaviour, the psychology of coaching and exercise psychology. Sports psychology in this module focuses on the application of psychology in practical sports settings. The student is orientated in psychological sports questionnaires that determine motivation, activation levels as well as sports psychological techniques. The psychology of injuries and burnout form part of this module.

MBK 701 Exercise physiology 701  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 1 lpw  
**Period of presentation:** Year  
**Language of tuition:** Double medium  
**Credits:** 27  
**Module content:**  
The module examines exercise physiology from a biokinetics perspective and includes the normal and pathophysiology of bio-energetics, adaption of the body systems, environmental influences, ergogenic aids and special considerations such as aging, gender, genetics and fatigue.  
(1 hour contact time per week with work assignments for the following week.)

MBK 702 Applied physiology 702  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 1 lpw  
**Period of presentation:** Year  
**Language of tuition:** Double medium  
**Credits:** 27  
**Module content:**  
The module examines exercise physiology as applied in a sport science context and includes the normal and performance enhancement physiology of bio-energetics, adaptation of the body systems, environmental influences, ergogenic aids and special considerations such as aging, gender, genetics and fatigue.  
(1 hour contact time per week with work assignments for the following week).
MBK 703 Biokinetics 703  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 2 lpw 1ppw  
**Period of presentation:** Year  
**Language of tuition:** Double medium  
**Credits:** 27  
**Module content:**  
Biokinetics is the practical application of the biological contents that are discussed in other modules in the programme. It deals with preventive medicine, the rehabilitation of abnormal health situations as well as the maintenance of a healthy lifestyle after rehabilitation.  
(3 hour contact time per week with work assignments for the following week).

MBK 704 Exercise science 704  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 1 lpw  
**Period of presentation:** Year  
**Language of tuition:** Double medium  
**Credits:** 27  
**Module content:**  
The line of thought in exercise science is to include the basic principles of physiology and exercise science so that it is useful to both the sportsman as well as the person who exercises on a regular basis in the planning of exercise programmes for various sports or situations.  
(3 hour contact time per week with work assignments for the following week).

MBK 705 Biomechanics 705  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 1 lpw 1ppw  
**Period of presentation:** Semester 2  
**Language of tuition:** Double medium  
**Credits:** 27  
**Module content:**  
In any type of sport there are important techniques to accomplish success. To understand these techniques it is essential to be acquainted with the basic mathematics and physics (Newton's Physics). These principles together with the rules of sports (that can impede the mechanical benefits), the limitations of human anatomy and physiology (to develop a mechanical edge) are presented in this module. Aspects of sport management.  
(1 hour contact time per week with work assignments for the following week.)

MBK 718 Functional anatomy 718  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 1 lpw 1 ppw  
**Period of presentation:** Year  
**Language of tuition:** Double medium  
**Credits:** 27  
**Module content:**  
The module will involve the practical application of anatomical knowledge to the diagnosis and exercise treatment of orthopaedic injuries and conditions. The student will practically apply their anatomical knowledge when executing the physical examination techniques used to assess specific injuries and/ or conditions; as well as when prescribing exercise therapy for the these injuries and conditions.

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

**MCH 700 Oral surgery 700**  
Academic organisation: Maxillofacial and Oral Surgery  
Contact time: 1 dpw  
Period of presentation: Year  
Language of tuition: Both Afr and Eng  
Credits: 100

**MCH 800 Oral surgery 800**  
Academic organisation: Maxillofacial and Oral Surgery  
Period of presentation: Year  
Language of tuition: Both Afr and Eng  
Credits: 120

**MCH 890 Dissertation: Oral surgery 890**  
Academic organisation: Maxillofacial and Oral Surgery  
Period of presentation: Year  
Language of tuition: Both Afr and Eng  
Credits: 240

**MCH 895 Essay: Oral surgery 895**  
Academic organisation: Maxillofacial and Oral Surgery  
Period of presentation: Year  
Language of tuition: Both Afr and Eng  
Credits: 24

**MDB 171 Oral biology 171**  
Academic organisation: Oral Pathology and Oral Biology  
Contact time: 2 lpw 1 dpw  
Period of presentation: Year  
Language of tuition: Double medium  
Credits: 10

**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 270 Oral biology 270**  
Academic organisation: Oral Pathology and Oral Biology  
**Prerequisite:** PHY 131, MGW 112, MLB 111, MTL 180, CMY 151, FIL 155, GNK 188, IDE 170, POH 170, SEP 110  
**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.

**MDB 370 Oral biology 370**  
Academic organisation: Oral Pathology and Oral Biology  
**Prerequisite:** BOK 280, BOK 281 or (BOK 285,287), BOK 283, GNK 286, GNK 288, GPS 280, IKT 200, SMO 211, SMO 281
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**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.

**MDB 710 Applied oral biology 710**
**Academic organisation:** Oral Pathology and Oral Biology
**Contact time:** 1 dpw
**Period of presentation:** Semester 1 and/or Semester 2
**Language of tuition:** Both Afr and Eng
**Credits:** 11

**MDB 800 Oral biology 800**
**Academic organisation:** Oral Pathology and Oral Biology
**Period of presentation:** Year
**Language of tuition:** Both Afr and Eng
**Credits:** 12

**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 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

**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
**Prerequisites:** ANA 800, FSG 801, FAR 806, PAG 808
**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

**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

MEH 771 Health informatics, monitoring and evaluation 771
Academic organisation: Public Health Medicine
Contact time: 50 hours per week
Period of presentation: Year
Language of tuition: English
Credits: 10

Module content:
Participants will be taught the importance of evidence-based public health and how to use health data, interpret the data, use the data for planning and for evaluation. The critical importance of how strategically to monitor and evaluate all programmes and systems and how practical leadership requires in-depth knowledge of how to use review systems for forward planning. The use of knowledge management modalities will be used in health planning and participants will be required to design a Monitoring and Evaluation system that can be used at their workplace for better results in healthcare delivery.

MFG 777 Human physiology 777
Academic organisation: Physiology
Period of presentation: Year
Language of tuition: Double medium
Credits: 96

Module content:
[BScHons 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 are submitted in the form of an essay.

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

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
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

MFP 371 Maxillofacial 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 Maxillofacial 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 Maxillofacial 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 Maxillofacial 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 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: 100

**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

**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

**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

**MHP 780 Human resources planning 780**  
Academic organisation: Community Dentistry  
Period of presentation: Semester 1  
Language of tuition: Both Afr and Eng  
Credits: 12

**MIG 800 Military medicine: Internal medicine 800**  
Academic organisation: Internal Medicine
**Prerequisites:** FSG 801, VGN 800, IGK 804, CHR 801, RAT 800

**Period of presentation:** Year

**Language of tuition:** Both Afr and Eng  
**Credits:** 300

**MMB 700 Oral microbiology 700**

**Academic organisation:** Oral Pathology and Oral Biology

**Period of presentation:** Year

**Language of tuition:** Both Afr and Eng  
**Credits:** 100

**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

**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:**

**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: Fourth-year status
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 Medical nutrition therapy 480
Academic organisation: Human Nutrition
Prerequisite: MNX 411
Contact time: 5 dpw
Period of presentation: Semester 2
Language of tuition: Double medium
Credits: 50

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: 240

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: 100

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
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

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: 24

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 805 Oral pathology 805
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 806 Maxillofacial and oral radiology 806
Academic organisation: Maxillofacial and Oral Surgery
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: 240

MPG 990 Thesis: Oral pathology and oral medicine 900
Academic organisation: Oral Pathology and Oral Biology
Period of presentation: Year
Language of tuition: Both Afr and Eng Credit: 270

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 Credit: 120

MRZ 310 Ethics and law in healthcare 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: 10 lpw
Period of presentation: Semester 2
Language of tuition: Both Afr and Eng Credit: 8
Module content:
Consult the Head: Human Nutrition division for the syllabus.

MTS 801 Medical applied psychology 801
Academic organisation: Psychiatry
Period of presentation: Year
Language of tuition: Both Afr and Eng Credit: 36

MTS 802 Transcultural practice 802
Academic organisation: Psychiatry
Period of presentation: Year
Language of tuition: English Credit: 36

MTS 803 Personality theory 803
Academic organisation: Psychiatry
Period of presentation: Year
Language of tuition: English Credit: 36

MTS 804 Human development 804
Academic organisation: Psychiatry
Period of presentation: Year
Language of tuition: English Credit: 36

MTS 805 Research methodology 805
Academic organisation: Psychiatry
Period of presentation: Year
Language of tuition: English Credit: 36

MTS 806 Pathology 806
Academic organisation: Psychiatry
Period of presentation: Year
Language of tuition: English Credit: 36

MTS 807 Communication theory 807
Academic organisation: Psychiatry
Period of presentation: Year
Language of tuition: English Credit: 36
MTS 808 Practical work: Medical applied psychology 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
Prerequisites: ANA 894, FSG 801, ANP 875, BVC 801
Contact time: 2 spw 3 dpw 1 ppw
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 300

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

NFG 700 Neurophysiology 700
Academic organisation: Physiology
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 24

NFG 801 Neurophysiology 801
Academic organisation: Psychiatry
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 36

Module content:
Study of neurophysiology from molecular to system level, as applicable to all aspects of general psychiatry, neuropsychiatry and psychopharmacology.
NGK 801 Emergency medicine 801
Academic organisation: Family Medicine
Prerequisites: ANA 802, FSG 801, FAR 880, PAG 880
Contact time: 1 ppw 1 dpw 1 lpw
Period of presentation: Year
Language of tuition: Double medium Credits: 300

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.

NMR 702 Research 702
Academic organisation: Biokinetics and Sports Science
Contact time: 1 lpw
Period of presentation: Year
Language of instruction: Both Afr and Eng Credits: 27

Module content:
In this module the focus will be on the execution of the research proposal and writing a research manuscript on the study executed, and presentation of the research project that includes an introduction, literature survey, methodology, results and discussion, and conclusion and recommendations.

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

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 2.5 ppw
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, AIM 101, ELH 121 and 122.  
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, AIM 101, ELH 121 en 122.  
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: 1ppw
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.

NRE 800 Neurology 800
Academic organisation: Neurology
Prerequisites: PAG 805, ANA 891, FSG 801
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

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

NTA 313 Nutritional assessment 313  
**Academic organisation:** Human Nutrition  
**Prerequisite:** Third-year status  
**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*  
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:**  

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 healthcare to communities and the nursing management of minor ailments. Comprehensive healthcare and the multidisciplinary team approach. Community involvement and participation in the provision of health services. Community empowerment. Introduction to public health and systems of healthcare. 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, AIM 101, ELH 121 and 122.  
**Contact time:** 3 lpw 2 ppw  
**Period of presentation:** Quarter 1  
**Language of tuition:** English  
**Credits:** 11

**Module content:**  

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, AIM 101, ELH 121 and 122.
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, AIM 101, ELH 121 and 122
Contact time: 2 lpw 2 ppw
Period of presentation: Quarter 3
Language of tuition: English  Credits: 11
Module content: Medical nursing science
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, AIM 101, ELH 121 and 122.
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
NB: Only selected BCur students may register for this module.
NUR 255 Integrative healthcare 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 healthcare, 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*
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*
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 pwp 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
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 healthcare
- 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 healthcare practice within the chosen elective.

NB: Only selected BCur students may register for this module.

**NVB 700 Research principles 700**

- **Academic organisation:** Radiography
- **Contact time:** 12 discussion classes
- **Period of presentation:** Semester 2
- **Language of tuition:** Both Afr and Eng
- **Credits:** 20

**OCM 770 Principles of occupational medicine 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

**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
- **Credits:** 5

**Module content:**

*Attendance module only*

**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

**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 270 Odontology 270
Academic organisation: Odontology
Prerequisite: PHY 131, MGW 112, MLB 111, MTL 180, CMY 151, FIL 155, GNK 188, IDE 170, POH 170, SEP 110,
Contact time: 1 clinical session per week
Period of presentation: Year
Language of tuition: English Credits: 6
Module content:
Chair-side assisting: This clinical training entails the chair-side assisting of senior dental students during the treatment of patients.

ODO 271 Odontology 271
Academic organisation: Odontology
Prerequisite: ELH 121, ELH 122, AIM 101, 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 or (BOK 285,287)),, 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: 52

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

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 990 Thesis: Odontology 990
Academic organisation: Odontology
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 270

OEG 800 Obstetrics and gynaecology 800
Academic organisation: Obstetrics and Gynaecology
Prerequisites: ANA 803, FSG 801, OEG 801
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 300

OEG 801 Obstetrics and gynaecology 801
Academic organisation: Obstetrics and Gynaecology
Prerequisites: ANP 803
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 36

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

OFC 271 Orofacial surgery 271
Academic organisation: Maxillofacial and Oral Surgery
Prerequisite: ELH 121, ELH 122, AIM 101, 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) 1 p (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 Maxillofacial surgery.

OFC 370 Orofacial surgery 370
Academic organisation: Maxillofacial and Oral Surgery
Prerequisite: BOK 280, (BOK 281 or (BOK 285,287)), 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: Apicaectomy, impactions, electro and cryosurgery, soft tissue infections and osteomyelitis, pre-prosthodontic surgery (review).
(e) Basic Maxillofacial surgery: Traumatology, surgical pathology, neuralgias, temporo-mandibular joint derangements.
(f) Advanced Maxillofacial surgery: Micro surgery (review), orthognathic surgery, facial cleft deformities, cranio-facial surgery (review).

OFC 371 Orofacial surgery 371
Academic organisation: Maxillofacial 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: English
Credits: 6

Module content:
This module is a continuation of (OFC 271) Orofacial surgery 271 and consists of clinical work only.

OFC 470 Orofacial surgery 470
Academic organisation: Maxillofacial 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: Apicaectomy, impactions, electro and cryosurgery, soft tissue infections and osteomyelitis, pre-prosthodontic surgery (review).
(e) Basic Maxillofacial surgery: Traumatology, surgical pathology, neuralgias, temporo-mandibular joint derangements.
(f) Advanced Maxillofacial surgery: Micro surgery (review), orthognathic surgery, facial cleft deformities, cranio-facial surgery (review).

OFC 570 Orofacial surgery 570
Academic organisation: Maxillofacial and Oral Surgery
Prerequisite: TBW 470, ODO 470, MFP 470, PDL 470, DFA 470, OFC 470, PTK 470, GAP 470, TMZ 470

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**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: Apaicectomy, impactions, electro and cryosurgery, soft tissue infections and osteomyelitis, pre-prosthodontic surgery (review).  
(e) Basic Maxillofacial surgery: Traumatology, surgical pathology, neuralgias, temporomandibular joint derangements.  
(f) Advanced Maxillofacial surgery: Micro surgery (review), orthognathic surgery, facial cleft deformities, cranio-facial surgery (review).

**OGD 900 Public health 900**  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 1

**OGD 990 Public health 990**  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 480

**OGH 900 Environmental health 900**  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 1

**OGH 990 Thesis: Environmental health 990**  
**Academic organisation:** Public Health Medicine  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 480

**OHK 800 Ophthalmology 800**  
**Academic organisation:** Ophthalmology  
**Prerequisites:** ANP 871, ANA 876, FSG 801, GMO 800  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 300

**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

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OHS 873 Postgraduate studies in occupational hygiene 1 873
Academic organisation: School of Health Systems and Public Health
Prerequisite: FLG 322 or equivalent occupational hygiene coursework with two years practical experience in the field of occupational hygiene
Contact time: Twelve eight-hour contact sessions as per schedule in the timetable of the SHSPH. 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.

OHS 874 Postgraduate studies in occupational hygiene 2 874
Academic organisation: School of Health Systems and Public Health
Prerequisite: Satisfactory progress with submissions of OHS 873 assignments (Unit Standards 1–9)
Contact time: Six eight-hour contact sessions as per schedule in the timetable of the SHSPH. Assignments need to be submitted one month after the contact session.
Period of presentation: Year
Language of tuition: English
Credits: 5
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 need to be completed and submitted within a month after each unit standard.

OHS 875 Individual studies in occupational hygiene 875
Academic organisation: School of Health Systems and Public Health
Prerequisite: FLG 322 or equivalent occupational hygiene coursework with two years’ practical experience, satisfactory progress in OHS 873.
Contact time: Seven two-hour contact sessions as per schedule in the timetable of the SHSPH. Assignments need to be submitted one month after the contact session.
Period of presentation: Year
Language of tuition: English
Credits: 5
Module content:
In-depth knowledge in occupational hygiene 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.

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

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 science 700  
Academic organisation: Radiography  
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

ONK 800 Otorhinolaryngology 800  
Academic organisation: Otorhinolaryngology  
Prerequisites: ANP 870, ANA 875, FSG 801, BVC 807  
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: 240

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

ONO 800 Communicable and non-communicable health-related conditions 800  
Academic organisation: Public Health Medicine  
Period of presentation: Year  
Language of tuition: English  
Credits: 70

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: Double medium  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-cranofacial
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
Prerequisite: BOK 280, (BOK 281 or (BOK 285, 287)), BOK 283, GNK 286, GNK 288,
GPS 280, IKT 200, SMO 211, SMO 281
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:
• Basic principles and therapeutic measures.
• Occlusion: development and morphology.
• Development and growth: cranium.
• Stainless steel: properties and uses.
• Orthodontic devices: requirements and types.
• Changes in tissue.
• Malocclusion: classification and aetiology.
• Examination, aids, diagnosis and planning.
• Bad habits.
• Preventive and interceptive orthodontics.
• Treatment: principles, problems with space, methods.
• The role of extraction.
• 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:
• Basic principles and therapeutic measures.
• Occlusion: development and morphology.
• Development and growth: cranium.
• Stainless steel: properties and uses.
• Orthodontic devices: requirements and types.
• Changes in tissue.
• Malocclusion: classification and aetiology.
• Examination, aids, diagnosis and planning.
• Bad habits.
• Preventive and interceptive orthodontics.
• Treatment: principles, problems with space, methods.
• The role of extraction.
• Retention.

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:
• Basic principles and therapeutic measures.
• Occlusion: development and morphology.
• Development and growth: cranium.
• Stainless steel: properties and uses.
• Orthodontic devices: requirements and types.
• Changes in tissue.
• Malocclusion: classification and aetiology.
• Examination, aids, diagnosis and planning.
• Bad habits.
• Preventive and interceptive orthodontics.
• Treatment: principles, problems with space, methods.
• The role of extraction.
• Retention.

ORD 700 Orthodontics 700
Academic organisation: Orthodontics
Contact time: 10 dpw
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 100

ORD 701 Orthodontics 701
Academic organisation: Orthodontics
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**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 100

**ORD 800 Orthodontics 800**  
**Academic organisation:** Orthodontics  
**Contact time:** 20dpw  
**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

**ORD 990 Thesis: Orthodontics 990**  
**Academic organisation:** Orthodontics  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 270

**ORT 800 Orthopaedics 800**  
**Academic organisation:** Orthopaedics  
**Prerequisites:** ANA 895, FSG 801, ANP 879, BVC 802  
**Contact time:** 5 ppw 5 spw  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 300

**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

**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

**OVG 700 Comprehensive medicine 700**  
**Academic organisation:** Health Sciences Dean’s Office  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 24
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

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
PCM 870 Introduction to primary healthcare 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
Prerequisites: ANA 896, FSG 801, ANP 876, BVC 803
Period of presentation: Year
Language of tuition: Double medium
Credits: 300

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

PDD 700 Pedodontics 700
Academic organisation: Odontology
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 100

PDD 801 Pedodontics 801
Academic organisation: Odontology
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 24

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

PDI 700 Implantology 700
Academic organisation: Prosthodontics
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 100

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: ELH 121, ELH 122, AIM 101, 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 or (BOK 285,287), 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 ppw (2h) (30 weeks)
Period of presentation: Year (elective)
Language of tuition: Both Afr and Eng 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.

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: 100

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 770 Learning in public health 770
Academic organisation: School of Health Systems and Public Health
Contact time: 50 hours per week
Period of presentation: Year
Language of tuition: English Credits: 5
Module content:
Special introduction to fundamentals in Executive Leadership in health.
The emerging student will be taught the fundamentals in executive leadership in healthcare systems which will form the basic platform or foundation for understanding the challenges for application of leadership modalities at the different levels of healthcare service delivery in the public health service and how to begin to think and analyse how the principles of executive leadership at their level of appointment can improve health service delivery.

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

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

PHM 880 Learning in public health 880  
Academic organisation: School of Health Systems and Public Health  
Contact time: I week of contact time with 36 hours of lectures (20) practicals (10) and seminars (6). There are in addition 64 hours of notional learning through private study and assignments.  
Period of presentation: Year  
Language of instruction: English  
Credits: 10

Module content:  
The history and scope of public health. The importance of self-motivated “deep” learning as opposed to passive learning. Learning the value of group work. The use of the internet and the library to research areas of study. The writing of literature reviews and
assignments, the avoidance of plagiarism. Improving English writing skills. Elements of human rights and public health ethics. Students will be given an assignment involving a short literature search and applied writing practice.

**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

**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 805 Physiotherapy 805**  
**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: 240

POH 170 Public oral health 170
Academic organisation: Community Dentistry
Contact time: 1 lpw 1 ppw
Period of presentation: Semester 2
Language of tuition: English  Credits: 5
Module content:
• Principles of public oral health.
• Determinants of health.
• Definitions of health, disease and illness.
• Public health approaches to prevention.

POH 270 Public oral health 270
Academic organisation: Community Dentistry
Prerequisite: PHY 131, MGW 112, MLB 111, MTL 180, CMY 151, FIL 155, GNK 188,
IDE 170, POH 170, SEP 110
Contact time: 1 lpw
Period of presentation: Year
Language of tuition: English  Credits: 12
Module content:
• Orientation to health sciences research.
• Ethical consideration in the conduct of health sciences research.
• An overview of the research process.
• Selecting or identifying research problems.
• The literature review.
• Refining and defining the research question, formulating a hypothesis and preparing a research proposal.
• Quantitative research.
• Non-traditional and qualitative research designs.
• Sampling.
• Data collection and data quality.
• Data analysis.
• Research reports and report evaluation.

POH 370 Public oral health 370 (offered as from 2016)
Academic organisation: Community Dentistry
Contact time: 1 lpw
Period of presentation: Year
Language of tuition: English  Credits: 4
Module content:
• Oral epidemiology.
• Prevention and oral health promotion.
• Health services (systems).

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: Both Afr and Eng

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.

POH 470 Public oral health 470 (offered as from 2017)
Academic organisation: Community Dentistry
Contact time: 1 lpw

Module content:

POH 570 Public oral health 570 (offered as from 2018)
Academic organisation: Community Dentistry
Contact time: 1 practical session per semester

Module content:
Community engagement projects continue.

POK 700 Sports science 700
Academic organisation: Centre for Sports Sciences
Period of presentation: Year
Language of tuition: Both Afr and Eng

POK 800 Sports science 800
Academic organisation: Centre for Sports Sciences
Period of presentation: Year
Language of tuition: Both Afr and Eng  
Credits: 1

POK 890 Dissertation: Sports science 890
Academic organisation: Centre for Sports Sciences
Period of presentation: Year
Language of tuition: Both Afr and Eng  
Credits: 240

POK 900 Sports science 900
Academic organisation: Centre for Sports Sciences
Period of presentation: Year
Language of tuition: Both Afr and Eng  
Credits: 1

POK 990 Thesis: Sports science 990
Academic organisation: Centre for Sports Sciences
Period of presentation: Year
Language of tuition: Both Afr and Eng  
Credits: 480

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: 10
Module content:

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: 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.

**PPS 770 Policy practice seminar 770**
*Academic organisation:* Public Health Medicine
*Contact time:* 50 hours per week
*Period of presentation:* Year
*Language of tuition:* English
*Credits:* 5

**Module content:**
The fundamentals of health policy practice implementation will be discussed and methods of analysis will be linked to how the best effective health policy processes can be structured to respond to the health needs. The policy chain from inception to implementation will be analysed to establish why SA health policies, which are rated as very good, never gets implemented and where they are implemented, the results are less than optimal. How can policy practice assist executive leaders in health to work smarter, with less resources and achieve greater results for effective service delivery. The role of the community in the policy development and practice process will analysed to see what lessons can be learned to cut down on bureaucracy and red tape.

**PRC 100 Sports practical (basic) 100**
*Academic organisation:* Biokinetics and Sports Science
*Contact time:* 5 lpw
*Period of presentation:* Year
*Language of instruction:* Double medium
*Credits:* 12

**Module content:**
*Closed – requires departmental selection*
Sports-specific skills, team situation; rules and regulations, refereeing; game analysis; coaching.

**PRC 200 Sports practical (advanced) 200**
*Academic organisation:* Biokinetics and Sports Science
*Prerequisites:* PRC 100
*Contact time:* 5 lpw
*Period of presentation:* Year
*Language of instruction:* Double medium
*Credits:* 16

**Module content:**
*Closed – requires departmental selection*
Sports-specific skills, team situation; rules and regulations, refereeing; game analysis; coaching.

**PRC 300 Laboratory evaluation 300**
*Academic organisation:* Biokinetics and Sports Science
*Contact time:* 5 lpw
*Period of presentation:* Year
*Language of instruction:* Double medium
*Credits:* 20

**Module content:**
*Closed – requires departmental selection*
Patient specific evaluation and programme prescription.
PRC 301 Laboratory evaluation 301  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 5 lpw  
**Period of presentation:** Year  
**Language of instruction:** Double medium  
**Credits:** 20  
**Module content:**  
*Closed – requires departmental selection*  
Sports-specific specific evaluation and programme prescription.

PRD 270 Prosthodontics 270  
**Academic organisation:** Prosthodontics  
**Contact time:** 1 ppw  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 3  
**Module content:**  
- Basic tooth morphology.  
- Introduction to dental laboratory procedures in removable prosthodontics.

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:**  

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, GPS 370, ORD 370, OFC 370, PRD 370  
**Contact time:** 1 lpw 2 ppw  
**Period of presentation:** Year  
**Language of tuition:** Double medium  
**Credits:** 26  
**Module content:**  

PRD 570 Prosthodontics 570  
**Academic organisation:** Prosthodontics  
**Prerequisite:** TBW 470, ODO 470, MFP 470 PDL 470, DFA 470, OFC 470, PRD 470, GAP 470, TMZ 470  
**Contact time:** 1 dpw 2 lpw 4 ppw  
**Period of presentation:** Year  
**Language of tuition:** Double medium  
**Credits:** 31
Module content:

PRD 701 Prosthodontics 701
Academic organisation: Prosthodontics
Contact time: 1 dpw
Period of presentation: Year
Language of tuition: English Credits: 100

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

PRD 990 Thesis: Prosthodontics 990
Academic organisation: Prosthodontics
Period of presentation: Year
Language of tuition: Both Afr and Eng Credits: 270

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: Fourth-year status
Contact time: 1 lpw  
Period of presentation: Quarter 4  
Language of tuition: Double medium  
Module content: Administration and finances (personal and business).

PRS  700 Practice management 700  
Academic organisation: Dental Management Sciences  
Contact time: 1 spw  
Period of presentation: Year  
Language of tuition: Both Afr and Eng  
Credits: 5

PRS  701 Practice management 701  
Academic organisation: Dental Management Sciences  
Prerequisite: A minimum of one year practice experience  
Contact time: 10 lectures of 90 mins each  
Period of presentation: Year  
Language of tuition: Both Afr and Eng  
Credits: 100

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

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

PSI  800 Psychiatry 800  
Academic organisation: Psychiatry  
Prerequisites: ANA 804, FSG 801, ANP 872, MTS 801, NRE 801  
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

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

PTK 700 Prosthetics 700  
**Academic organisation:** Prosthodontics  
**Contact time:** 1 dpw  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 100

PTK 890 Dissertation: Prosthetics 890  
**Academic organisation:** Prosthodontics  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 240

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

QIM 771 Implementation of quality improvement modalities (strategies) in the health system 771  
**Academic organisation:** Public Health Medicine  
**Contact time:** 50 hours per week  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 10

**Module content:**  
Participants will be required to identify the current quality challenges at their place of work and develop an advanced quality improvement strategic plan which they can implement. The plan must respond to the recent audit of facilities conducted by the Department of Health. Participants will be required upon returning to their place of work to implement the plan and after 6 months report on the results and what improvements had occurred as a result of their plans. The key factors to be addressed include waiting times, availability of medication, cleanliness of facilities, the long queues and patient satisfaction. Participants will be taught quality improvement strategies related to executive leadership, learning and organisational change.

RAD 271 Radiography 271  
**Academic organisation:** Oral Pathology and Oral Biology  
**Prerequisite:** ELH 121, ELH 122, AIM 101, 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: Oral Pathology and Oral Biology
Prerequisite: BOK 280, BOK 281 or (BOK 285,287), 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: 8

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: Oral Pathology and Oral Biology
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

Module content:
Diagnostic imaging 370/470 is a two-year module delivered during the 3rd and 4th years of the BChD programme. It deals with all aspects of radiographic imaging of the maxillofacial region appropriate to the Dentist. Diagnostic imaging 370 is delivered during BChD III as a promotion course. Diagnostic imaging 470 is an examination course.
delivered during BChD IV. The purpose of Diagnostic imaging 470 is:
- To formalise teaching and examination of Diagnostic imaging 370/470.
- To certify students’ ability to apply knowledge obtained in Diagnostic Imaging 370 to clinical and practical situations of Diagnostic imaging.
- To certify that students act professionally during clinical situations of Diagnostic imaging.

RAD 570 Diagnostic imaging 570
Academic organisation: Oral Pathology and Oral Biology
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
Module content:
Diagnostic imaging 570 is an attendance module presented during the first semester of BChD V. The purpose of the module is:
- To formalise teaching and formative assessment of final year students’ clinical and diagnostic skills in Diagnostic imaging.
- To develop students’ confidence in clinical aspects of Diagnostic imaging.
- To ensure radiographic service rendering in Diagnostic imaging by senior (5th year) students while 4th year students are in training.

RAD 700 Radiography 700
Academic organisation: Oral Pathology and Oral Biology
Contact time: 1 dpw or 1 ppw
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 90
Module content:
Advanced dental radiography.

RAD 710 Introductory radiography 710
Academic organisation: Oral Pathology and Oral Biology
Period of presentation: Semester 1 and/or Semester 2
Language of tuition: Both Afr and Eng
Credits: 12

RAD 800 Radiography 800
Academic organisation: Oral Pathology and Oral Biology
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 24

RAD 801 Radiography 801
Academic organisation: Oral Pathology and Oral Biology
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 180

RAD 870 Radiology 870
Academic organisation: Oral Pathology and Oral Biology
Contact time: 1 spw 1 dpw 1 ppw
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 24
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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.

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

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.
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.

RAN 700 Radiographic anatomy 700
Academic organisation: Anatomy
Period of presentation: Semester 1
Language of tuition: Both Afr and Eng  
Credits: 20

RAW 180 Radiography 180
Academic organisation: Radiography
Contact time: 1 spw 4 dpw 1 lpw
Period of presentation: Year
Language of tuition: English  
Credits: 50

Module content:
(b) Patients with special problems. Handling of paediatric patients and geriatric patients.

RAW 182 Radiographic imaging 182
Academic organisation: Radiography
Contact time: 1 lpw 1 spw 1 dpw
Period of presentation: Year
Language of tuition: Both Afr and Eng  
Credits: 20

Module content:
RAW 280 Radiography 280
Academic organisation: Radiography
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:

RAW 282 Radiographic imaging 282
Academic organisation: Radiography
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: Radiography
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 4
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.
(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: Radiography
Prerequisite: FSG 251, FSG 252, FSG 262 ,GNK 286, RAN 280, RAW 281,RAW 282, RAW 283, RBG 281, RFI 210
Contact time: 4 dpw 1 spw 1 lpw
Period of presentation: Year
Language of tuition: Double medium
Credits: 52

Module content:
Clinical evaluation of an excretory urogram that was done theoretically in the 2nd year.


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.


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: Radiography
Contact time: 1 lpw 2 dpw 1 spw
Period of presentation: Year
Language of tuition: Double medium
Credits: 30

Module content:
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).
and research report. Quality control tests and corrective action. Film evaluation.

RAW 780 Quality assurance 780
Academic organisation: Radiography
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: Radiography
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: Radiography
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: Radiography
Contact time: 1 dpw
Period of presentation: Semester 2
Language of tuition: Both Afr and Eng Credits: 30

RAW 784 Intervention 784
Academic organisation: Radiography
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

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

RBA 900 Reproductive biology: Andrology 900
Academic organisation: Urology
Period of presentation: Year
Language of tuition: English Credits: 1
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<th>Period of presentation</th>
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Contact time: 1 ppw 1 lpw  
Period of presentation: Year  
Language of tuition: Both Afr and Eng  
Credits: 25

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

RCH 310 Research project 310  
Academic organisation: Human Nutrition  
Prerequisite: Third-year status  
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 320  
Academic organisation: Human Nutrition  
Prerequisite: RCH 310  
Contact time: 1 dpw 1 lpw  
Period of presentation: Semester 2  
Language of tuition: Double medium  
Credits: 10

Module content:  
Literature study, protocol and statistics (1 l + 1 x 2h discussion).  
Preparation of protocol and submission thereof for approval (1 x 2h discussion).

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 lectures x 90 min.  
Period of presentation: Year  
Language of instruction: Double medium  
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: RCH 320  
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

RDB 700 Radiotherapeutic dosage planning 700
Academic organisation: Radiography
Contact time: 1 lpw 1 ppw 2 dpw
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 40

RDD 800 Radiological diagnostics 800
Academic organisation: Radiology
Prerequisites: ANP 807, ANA 808, FSG 801, MFK 800
Contact time: 5 dpw
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 300

RDD 900 Radiological diagnostics 900
Academic organisation: Radiology
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 1

RDD 990 Thesis: Radiological diagnostics 990
Academic organisation: Radiology
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 480

RDF 700 Radiopharmacology
Academic organisation: Radiography
Contact time: 1 dpw 1 spw 1 ppw 1 lpw
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 30

RDT 900 Radiological therapy 900
Academic organisation: Radiation Oncology
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 1

RDT 990 Thesis: Radiological therapy 990
Academic organisation: Radiation Oncology
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 480

RGT 801 Radiation therapy 801
Academic organisation: Radiography
Period of presentation: Year
Language of tuition: Both Afr and Eng  Credits: 24

RHC 300 Research methodology for healthcare sciences 300
Academic organisation: School of Healthcare Sciences
Prerequisite: IHL 110, IHL 121/2/3/4; (ELH 121 and 122); AIM 111 or 101

374
Contact time: 2 lpw 2 hpw (research group discussion)
Period of presentation: Year
Language of tuition: English and Afrikaans

Module content:
Concepts of research; research process; research studies appraisal; planning and developing literature review; developing research idea and research question; research principles in designing research proposal; research proposal writing

RHC 400 Research in healthcare sciences 400
Academic organisation: School of Healthcare Sciences
Prerequisite: IHL 110, IHL 121/2/3/4, ELH 121, ELH 122, AIM 111/101
Contact time: 1 lpw 1 hpw
Period of presentation: Year
Language of tuition: English

Module content:
Conducting process of obtaining ethics clearance, data collection, data analysis, research report writing.

RHC 480 Research in healthcare sciences 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

Module content:
Research in healthcare sciences. The outcomes of this module are:
- 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 710 Ethics and jurisprudence 710
Academic organisation: Dental Management Sciences
Prerequisite: A minimum of one year practice experience
Contact time: Contact hours as determined by the Head of Department
Period of presentation: Semester 1
Language of tuition: Both Afr and Eng

Module content:
To be a good healthcare practitioner requires a life-long commitment to sound professional and ethical practices and an overriding dedication to the interests of one’s fellow human beings and society. The term “profession” means “a dedication, promise or commitment publicly made”. Practice as a healthcare professional is based on a relationship of mutual trust between patients and healthcare practitioners. In the course of their professional work, healthcare practitioners are required to subscribe to certain rules of conduct. To this end the Health Professions Council of South Africa (HPCSA) has formulated a set of rules regarding professional conduct against which complaints of professional misconduct will be evaluated. These rules are presented in the basic subject Ethics and jurisprudence.
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, ELH 121, ELH 122, 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.

RSD 890 Dissertation: Diagnostics 890
Academic organisation: Radiography
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 240

RSK 700 Essay 700
Academic organisation: Radiography
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 30

RSZ 700 Radiation therapy 700
Academic organisation: Radiography
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: Radiography
Contact time: 2 dpw 1 lpw
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 40

RSZ 890 Dissertation: Radiation therapy 890
Academic organisation: Radiography
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 700 Cell biology 700
Academic organisation: Physiology
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 96

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

SCC 771 Communication in health 771
Academic organisation: School of Health Systems and Public Health
Contact time: 1 ppw 16 lpw
Period of presentation: Year
Language of instruction: English
Credits: 5
Module content:
Development and implementation of a health communication programme, eg a radio discussion on a current health topic.

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

SCM 770 Social determinants of health and primary healthcare 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
Module content:
Primary Healthcare (PHC) approach: Philosophical basis and policy concept.
Health problem analysis.
Social and economic determinants of health.
Millennium Development Goals (MDG’s) and health.
Elements of comprehensive primary healthcare.
Principles of the district health system.
Intersectoral collaboration in health development.
Community-oriented PHC.

SCM 771 Human resource management and industrial sociology 771
Academic organisation: School of Health Systems and Public 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

SCM 870 Social determinants of health and primary healthcare 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

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

SCM 880 Social determinants of health and primary healthcare 880
Academic organisation: School of Health Systems and Public Health
Contact time: I week of contact time with 36 hours of lectures (25) practicals (5) and seminars (6). There are in addition 64 hours of notional learning through private study and assignments.
Period of presentation: Year
Language of instruction: English  Credits: 10

Module content:
The social determinants of health and primary healthcare including the declaration of Alma Ata. The principles of health promotion including the Ottawa Charter. Applied demographic principles including migration and health, and social aspects of human sexual and reproductive health. Nutrition and school health programmes.

SCP 770 Health promotion 770
Academic organisation: School of Health Systems and Public Health
Contact time: 16 lpw
Period of presentation: Year
Language of instruction: English  Credits: 5

Module content:
Overview of key milestones and development in health promotion theory and practice, principles and strategies of health promotion; main social and behavioural theories relevant to health promotion; health promotion main models and health promotion programme planning.
SCP 772 Health promotion in practice 772
Academic organisation: School of Health Systems and Public Health
Prerequisite: SCP 770
Contact time: 16 lpw
Period of presentation: Year
Language of instruction: English
Module content:
Practice training in health promotion settings including schools, health facilities, early childhood centres, etc.

SCP 870 Health promotion 870
Academic organisation: School of Health Systems and Public Health
Prerequisite: SCP 870
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
Prerequisite: SCP 870
Contact time: 16 lpw
Period of presentation: Year
Language of tuition: English
Credits: 10

SDT 351 Sports didactics 351
Academic organisation: Biokinetics and Sports Science
Contact time: 3 lpw
Period of presentation: Quarter 1
Language of instruction: Double medium
Credits: 10
Module content:
*Closed – requires departmental selection
Qualities of a good coach, coach as a person, coach as a professional. Selecting the athlete. Content selection. Coaching styles. Practical application of didactical principles.

SFI 700 Radiation physics and instrumentation for nuclear medicine 700
Academic organisation: Radiography
Contact time: 2 lpw
Period of presentation: Year
Language of tuition: Both Afr and Eng
Credits: 20

SFM 770 Strategic financial management in health 770
Academic organisation: Public Health Medicine
Contact time: 50 hours per week
Period of presentation: Year
Language of tuition: English
Credits: 10
Module content:
The module will enable the participant to implement strategies which are practical and implementable in the workplace taking into consideration the complexities and challenges prudent and well thought through financial management strategies which not only addresses the current financial problems but provides for visionary thinking in its application towards a more equitable healthcare delivery system. The importance of adequate skills required for an efficient National Health Insurance will be the focus and
participants will be required to develop strategic financial plans based on their workplace objectives so that practical solutions can be developed that is within budget and which are affordable.

SFR 700 Radiation physics and radiation protection 700  
**Academic organisation:** Radiography  
**Contact time:** 1 dpw  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 20

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 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

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:** 240

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
SMC 110 Fundamental physiology 110
Academic organisation: Biokinetics and Sports Science
Contact time: 3 lpw
Period of presentation: Semester 1
Language of instruction: Double medium
Module content:
*Closed – requires departmental selection
The cell, bioenergy, muscle contraction, and respiration.

Credits: 12

SMC 210 Applied kinesiology (anatomy) 210
Academic organisation: Biokinetics and Sports Science
Prerequisites: ANA 123
Contact time: 3 lpw
Period of presentation: Semester 1
Language of instruction: Double medium
Module content:
*Closed – requires departmental selection
Biomechanics and muscle anatomy, classes of levers, structural kinesiology, central nervous system, and peripheral nervous system.

Credits: 16

SMC 211 Applied biomechanics 211
Academic organisation: Biokinetics and Sports Science
Contact time: 3 lpw
Period of presentation: Semester 1
Language of instruction: Double medium
Module content:
*Closed – requires departmental selection
This module focuses on the biomechanical principles involved in human movement and sports activities. It comprises the study and analysis of linear and angular kinetics and the understanding of the biomechanical principles underlying the skeletal system and joints.

Credits: 16

SMC 220 Applied physiology (exercise) 220
Academic organisation: Biokinetics and Sports Science
Prerequisites: SMC 110
Contact time: 3 lpw
Period of presentation: Semester 2
Language of instruction: Double medium
Module content:
*Closed – requires departmental selection
Acid-base balance, thermoregulation, hypo and hyperbaria, exercise metabolism, factors affecting performance.

Credits: 16

SMC 300 Sport-specific assessment (biokinetic) 300
Academic organisation: Biokinetics and Sports Science
Prerequisites: EXE 320
Contact time: 3 lpw
Period of presentation: Year
Language of instruction: Double medium
Module content:
*Closed – requires departmental selection
Sports-specific test protocols, SISA testing protocols.

Credits: 20
SMC 320 Applied physiology 320
Academic organisation: Biokinetik and Sports Science
Prerequisites: SMC 220
Contact time: 3 lpw
Period of presentation: Semester 2
Language of instruction: Double medium  Credits: 20
Module content:
*Closed – requires departmental selection
Environmental considerations, nutrition, body composition and performance, cardio-
vascular physiology.

SMH 770 Strategic marketing (and communication) in health 770
Academic organisation: Public Health Medicine
Contact time: 50 hours per week
Period of presentation: Year
Language of tuition: English  Credits: 5
Module content:
The module will enable the participant to create a messaging strategy that can be used in
all marketing materials. To develop a marketing programme appropriate for the target
audience using the most effective possibilities such as public relations, advertising,
website (and other internet platforms), promotional seminars, conferences and trade
booth opportunities, downloadable materials, direct marketing (offline & online),
packaging, event sponsorships and merchandising promotions. The participant will be
taught the skills to develop a communications programme that complements the
marketing programme and provides timely and comprehensive internal, external and
strategic communications initiatives in an integrated approach. One of the key issues will
be the level of the health message and whether it makes an impact on the improvement
of uptake of healthcare services.

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: 5

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

SMS 210 Event management and entrepreneurship 210  
**Academic organisation:** Biokinetics and Sports Science  
**Contact time:** 3 lpw  
**Period of presentation:** Semester 2  
**Language of instruction:** Double medium  
**Credits:** 16  
**Module content:**  
*Closed – requires departmental selection  
Planning, organising, logistics and management of events, and also the effect of events

SMS 351 Business in sport 351  
**Academic organisation:** Biokinetics and Sport Science  
**Contact time:** 3 lpw  
**Period of presentation:** Quarter 2  
**Language of tuition:** English  
**Credits:** 10  
*Closed – requires departmental selection.  
Business law – link with sports law module
SOH 254 Systems of 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.

SOZ 700 Radiation oncology 700
Academic organisation: Radiation Oncology
Period of presentation: Year
Language of tuition: Both Afr and Eng Credits: 96

SOZ 800 Radiation oncology 800
Academic organisation: Radiation Oncology
Prerequisites: ANP 809, ANA 809, FSG 801, MFK 801, RBG 801
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

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

TBW 171 Comprehensive patient management 171
Academic organisation: Dental Management Sciences
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 271 Comprehensive patient management 271**

**Academic organisation:** Dental Management Sciences  
**Prerequisite:** ELH 121, ELH 122, AIM 101, 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:** Year (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 or (BOK 285, 287)), BOK 283, GNK 286, GNK 288, GPS 280, IKT 200, SMO 211, SMO 281

**Contact time:** 1 ppw 1 lpw 1 other per week  
**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 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.

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 ppw
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 1 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 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.

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 1 ppw

**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 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.

Additional to this, students should understand the economic, cultural, legal and regulatory environment to establish and optimise patient management.

**TBW 990 Thesis: Dental management sciences 990**
**Academic organisation:** Dental Management Sciences

**Period of presentation:** Year

**Language of tuition:** Both Afr and Eng

**Credits:** 270

**TCA 710 Applied surgical anatomy 710**
**Academic organisation:** Maxillofacial and Oral Surgery

**Period of presentation:** Semester 1

**Language of tuition:** Both Afr and Eng

**Credits:** 12

**TCR 800 Thoracic surgery 800**
**Academic organisation:** Surgery

**Prerequisites:** ANA 898, FSG 801, ANP 878, BVC 805

**Period of presentation:** Year

**Language of tuition:** Double medium

**Credits:** 300

**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
TGG 370 Applied medicine 370  
**Academic organisation:** Internal Medicine  
**Prerequisite:** BOK 280, (BOK 281 or (BOK 285,287)), 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.

TGO 800 Essay: Dental health education 800  
**Academic organisation:** Community Dentistry  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 24

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:** 100

THM 710 Dental materials 710  
**Academic organisation:** Odontology  
**Contact time:** 1 spw 10 lpw 5 dpw  
**Period of presentation:** Semester 1 and/or Semester 2  
**Language of tuition:** Double medium  
**Credits:** 12

THW 800 Dissertation: Dental sciences 800  
**Academic organisation:** Dentistry General  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 240

THW 990 Thesis: Dental sciences 990  
**Academic organisation:** Dentistry General  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 270

TIN 700 Dental informatics 700  
**Academic organisation:** Community Dentistry  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 24

TIN 710 Dental informatics 710  
**Academic organisation:** Community Dentistry  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**Credits:** 12
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: Radiography  
Contact time: 1 lpw  
Period of presentation: Year  
Language of tuition: Both Afr and Eng  
Credits: 30

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

TMZ 470 Anaesthesiology 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: 16

TNM 800 Applied research methodology 800  
Academic organisation: School of Health Systems and Public Health  
Prerequisites: BOS 870  
Period of presentation: Year  
Language of tuition: English  
Credits: 5  
Module content:  
*Attendance module only

TQM 770 Principles of quality assurance 770  
Academic organisation: School of Health Systems and Public 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: 10
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Academic organisation</th>
<th>Contact time</th>
<th>Period of presentation</th>
<th>Language of tuition</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ULT 710</td>
<td>Applied ultrasound imaging of the body</td>
<td>Radiology</td>
<td>2 web-based periods per week</td>
<td>Semester 1</td>
<td>English</td>
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<tr>
<td>ULT 711</td>
<td>Applied ultrasound physics</td>
<td>Radiology</td>
<td>2 web-based periods per week</td>
<td>Semester 1</td>
<td>English</td>
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<td>ULT 712</td>
<td>Applied ultrasound pathology</td>
<td>Radiology</td>
<td>2 web-based periods per week</td>
<td>Semester 1</td>
<td>English</td>
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<td>ULT 713</td>
<td>Basic abdominal ultrasound</td>
<td>Radiology</td>
<td>20 ppw 2 web-based periods per week</td>
<td>Semester 1</td>
<td>English</td>
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<td>ULT 720</td>
<td>Basic pelvic ultrasound</td>
<td>Radiology</td>
<td>20 ppw 2 web-based periods per week</td>
<td>Semester 2</td>
<td>English</td>
<td>14</td>
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<tr>
<td>ULT 721</td>
<td>Ultrasound of small body parts</td>
<td>Radiology</td>
<td>10 ppw 2 web-based periods per week</td>
<td>Semester 2</td>
<td>English</td>
<td>14</td>
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<tr>
<td>ULT 722</td>
<td>Elective module: Cardiac ultrasound</td>
<td>Radiology</td>
<td>10 ppw 1 web-based period per week</td>
<td>Semester 2</td>
<td>English</td>
<td>12</td>
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<tr>
<td>ULT 723</td>
<td>Elective module: Obstetrics ultrasound</td>
<td>Radiology</td>
<td>1 web-based period per week 10 ppw</td>
<td>Semester 2</td>
<td>English</td>
<td>12</td>
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<tr>
<td>ULT 724</td>
<td>Elective module: General ultrasound</td>
<td>Radiology</td>
<td>1 web-based period per week 10 ppw</td>
<td>Semester 2</td>
<td>English</td>
<td>12</td>
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</tbody>
</table>
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: 14

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: 14

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: 14

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: 14

ULT 740 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: 14

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  
Prerequisite: One of ULT 722, ULT 723, ULT 724, ULT 725 as well as one of ULT 732, ULT 733, ULT 734, ULT 735, and one of ULT 742, ULT 743, ULT 744, ULT 745 as well as ULT 730, ULT 731, ULT 740.  
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  
Prerequisite: One of ULT 722, ULT 723, ULT 724, ULT 725 as well as one of ULT 732, ULT 733, ULT 734, ULT 735, and one of ULT 742, ULT 743, ULT 744, ULT 745 as well as ULT 730, ULT 731, ULT 740.  
Period of presentation: Semester 2  
Language of tuition: English  
Credits: 0  
Module content: Clinical cases representative of all modules and elective.

URO 800 Urology 800
Academic organisation: Urology  
Prerequisites: ANA 897, FSG 801, ANP 877, BVC 804  
Period of presentation: Year  
Language of tuition: English  
Credits: 300

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

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: 14
Module content:
Healthcare environment: structure, dynamics and impact on the clinical standards of nursing practice.
Leadership principles in nursing practice.

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: 14
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.
Ethical-legal framework for 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: 50
Module content:
Practical work according to the area of specialisation.
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: 80

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

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 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: 22

Module content:  
Basic schooling in the nursing research process.

VNM 800 Nursing research methodology 800  
Academic organisation: Nursing Science  
Contact time: 1 lpw 2 dpw  
Period of presentation: Year  
Language of tuition: English  
Credits: 40

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: 15

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: 15

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  
Module content:  
Syllabus: available on request from the head of department.  
 Credits: 20

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  
Module content:  
Syllabus: available on request from the head of department.  
 Credits: 20

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  
Module content:  
Syllabus: available on request from the head of department.  
 Credits: 60

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  
Module content:  
 Credits: 25

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  
Module content:  
 Credits: 25

VPB 160 Nursing management 160  
Academic organisation: Nursing Science  
Prerequisite: VPB 110, VPB 120  
Contact time: 2 ppw
Period of presentation: Year
Language of tuition: English  Credits: 10
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: 20
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: 20
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: 60
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: 20
Module content:
General systems of clinical nursing practice.

VPT 260 Systems of nursing practice 260
Academic organisation: Nursing Science
Health Sciences 2015

**Prerequisite:** VPT 160  
**Contact time:** 2 lpw  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 60  
**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:** 35  
**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.

**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

**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:** 100

**WKT 881 Practical work 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 Practical work 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 Practical work 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
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

Module content:
Advanced study of method study and work-measurement, including mastership of MODAPTS.

Business management is an existing subject for the Postgraduate Diploma in Health Administration.
LISTS OF MODULES OFFERED BY OTHER FACULTIES

Alphabetical list of modules offered by the Faculty of Natural and Agricultural Sciences

BCM 251 Introduction to proteins and enzymes 251

Academic organisation: Biochemistry
Prerequisite: CMY 117 GS, CMY 127 GS and MLB 111 GS
Contact time: 2 lpw 0.5 ppw
Period of presentation: Semester 1
Language of tuition: Double medium  Credits: 12

Module content:
Structural and ionic properties of amino acids. Peptides, the peptide bond, primary, secondary, tertiary and quaternary structure of proteins. Interactions that stabilize 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. Practical training in laboratory techniques and Good Laboratory Practice. Techniques for the quantitative and qualitative analysis of biological molecules. Processing and presentation of scientific data.

BCM 252 Carbohydrate metabolism 252

Academic organisation: Biochemistry
Prerequisite: CMY 117 GS, CMY 127 GS and MLB 111 GS
Contact time: 2 lpw 0.5 ppw
Period of presentation: Semester 1
Language of tuition: Double medium  Credits: 12

Module content:

BCM 261 Lipid and nitrogen metabolism 261

Academic organisation: Biochemistry
Prerequisite: CMY 117 GS, CMY 127 GS and MLB 111 GS
Contact time: 2 lpw 0.5 ppw
Period of presentation: Semester 2
Language of tuition: Double medium  Credits: 12

Module content:
BCM 262 Biochemical principles of nutrition and toxicology 262

Academic organisation: Biochemistry
Prerequisite: CMY 117 GS, CMY127 GS and MLB 111 GS
Contact time: 2 lpw 0.5 ppw
Period of presentation: Semester 2
Language of tuition: Double medium
Credits: 12

Module content:

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: 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.

ENV 785 Environmental impact assessment and auditing 785

Academic organisation: Geography, Geoinformatics and Meteorology
Contact time: 5 lectures for period of one week; 5 ppw
Period of presentation: Year
Language of tuition: English

Credits: 20
Module content:
The module focuses on procedures and methods used to manage the environment. While the main focus is on determining the impact of human activities on the environment, the module also considers aspects such as monitoring, auditing, and evaluating environmental practices. The topics covered may include, amongst others, Environmental Impact Assessment (EIA), Social Impact Assessment (SIA), Integrated Environmental Management, Strategic Environmental Assessments (SEA), Environmental Management Frameworks (EMF), Environmental Systems (EMS), and ISO 14001.

GGY 156 Aspects of human geography 156

Academic organisation: Geography, Geoinformatics and Meteorology
Contact time: 3 lpw 1 tpw
Period of presentation: Quarter 2
Language of tuition: English

Credits: 8
Module content:
This module begins by fostering an understanding of human geography. Then follows the political ordering of space; cultural diversity as well as ethnic geography globally and locally; population geography of the world and South Africa; and four economic levels of development. The purpose is to place South Africa in a world setting and to understand the future of the country.

GGY 166 Southern African geomorphology 166

Academic organisation: Geography, Geoinformatics and Meteorology
Contact time: 4 lpw
Period of presentation: Quarter 3
Language of tuition: English

Credits: 8
Module content:
Investigating southern African landscapes and placing them in a theoretical and global context. The geomorphological evolution of southern Africa. Introduction to the concepts
of Geomorphology and its relationships with other physical sciences (e.g., meteorology, climatology, geology, hydrology, and biology). The processes and controls of landform and landscape evolution. Tutorial exercises cover basic techniques of geomorphological analysis, and topical issues in Geomorphology.

**GGY 789 Environmental change 789**

**Academic organisation:** Geography, Geoinformatics and Meteorology  
**Contact time:** 1 lpw 2 dpw  
**Period of presentation:** Year  
**Language of tuition:** English  
**Credits:** 20

**Module content:**  
The module involves the study of the causes and consequences of environmental change from multidisciplinary perspectives. A focus of this module is human-environmental interaction. Past processes leading to environmental change will also be discussed. In any given year, one or more of the following will be investigated: principles of environmental change, causes and consequences, land use and land change, and a field trip at the end of the module.

**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:** Both Afr and Eng  
**Credits:** 16

**Module content:**  
Introductory study of the ultrastructure, function and composition of representative cells and cell components. General principles of cell metabolism, molecular genetics, cell growth, cell division and differentiation.

**MVA 710 Multivariate analysis 710**

**Academic organisation:** Statistics  
**Prerequisite:** WST 311, WST 312, WST 321, and WST 322  
**Contact time:** 1 lpw  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**Credits:** 15

**Module content:**  

**MVA 720 Multivariate analysis 720**

**Academic organisation:** Statistics  
**Prerequisite:** MVA 710  
**Contact time:** 1 lpw  
**Period of presentation:** Semester 2  
**Language of tuition:** English  
**Credits:** 15

**Module content:**  
**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:** Both Afr and Eng  
**Credits:** 16  
**Module content:**  
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.*

**RAL 780 Regression analysis 780**  
**Academic organisation:** Statistics  
**Prerequisites:** STK 310 and STK 320  
**Contact time:** 1 lpw 1 web-based period per week  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**Credits:** 15  
**Module content:**  

**RFI 110 Radiation physics 110**  
**Academic organisation:** Physics  
**Contact time:** 2 lpw  
**Period of presentation:** Year  
**Language of tuition:** Both Afr and Eng  
**Credits:** 10  
**Module content:**  
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: 10
Module content:

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: 10
Module content:

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: 10
Module content:

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.

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:
Module 2: Food preparation basics of the following: stocks, soups and sauces.

VDS 121 Basic food preparation 121
Academic organisation: Consumer Science
Prerequisite: VDS 111
Contact time: 1 lpw 1 ppw
Period of presentation: Semester 2
Language of tuition: Double Medium Credits: 6
Module content:
Module 1: Principles and practices of food preparation and cooking techniques. *Mise and Place*, weighing and measurement techniques, equipment and terminology as applied in food preparation. Basic food quality control.
Module 2: Food preparation basics of the following: starches and cereals.

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:
Module 1: The study of different food systems with regard to food preparation. Physical and chemical properties and the influence of the composition in food preparation.
Module 2: Food preparation basics of the following: fruit and vegetables; salads; frozen desserts; gelatine.
Module 3: 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.

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:
Module 1: The study of different food systems with regard to food preparation. Physical and chemical properties and the influence of the composition in food preparation.
Module 2: Food preparation basics of the following: meat; poultry; fish, legumes, eggs and milk, baked products (whole spectrum); leavening agents.
Module 3: The influence of culture on cuisines. Study of the cuisines of selected African, European and Eastern countries.

VDS 322 Large-scale food production and restaurant management 322
Academic organisation: Consumer Science
Prerequisite: VDS 210 and VDS 221
Contact time: 3 lpw 3 ppw
Period of presentation: Semester 2
Language of tuition: Double medium
Credits: 31
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.
Practical work: Principles of large-scale food preparation and the practical application thereof in a practical restaurant situation. 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.

WTW 133 Precalculus 133
Academic organisation: Mathematics and Applied Mathematics
Prerequisite: As for BSc (Four-year programme)
Contact time: 3 lpw 1 ppw 1 tpw Foundation Course
Period of presentation: Semester 1
Language of tuition: English
Credits: 8
Module content:
Real numbers, elementary set notation, exponents and radicals. Algebraic expressions, fractional expressions, linear and quadratic equations, inequalities. Coordinate geometry: lines, circles. Functions: definition, notation, piecewise defined functions, domain and range, graphs, transformations of functions, symmetry, even and odd functions, combining functions, one-to-one functions and inverses, polynomial functions and zeros. Sequences, summation notation, arithmetic, geometric sequences, infinite geometric series, annuities and instalments. Degrees and radians, unit circle, trigonometric functions, fundamental identities, trigonometric graphs, trigonometric identities, double-angle, half-angle formulae, trigonometric equations, applications.

WTW 143 Calculus 143
Academic organisation: Mathematics and Applied Mathematics
Contact time: 3 lpw 1 tpw Foundation Course
Period of presentation: Semester 2
Language of tuition: English
Credits: 8
Module content:
Functions: exponential and logarithmic functions, natural exponential and logarithmic functions, exponential and logarithmic laws, exponential and logarithmic equations, compound interest.
Limits: concept of a limit, finding limits numerically and graphically, finding limits algebraically, limit laws without proofs, squeeze theorem without proof, one-sided limits, infinite limits, limits at infinity, vertical, horizontal and slant asymptotes, substitution rule, continuity, laws for continuity without proofs.

Differentiation: average and instantaneous change, definition of derivative, differentiation rules without proofs, derivatives of polynomials, chain rule for differentiation, derivatives of trigonometric, exponential and logarithmic functions, applications of differentiation: extreme values, critical numbers, monotone functions, first derivative test, optimisation.

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**Alphabetical list of modules 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 lpw  
**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.

**AIM 111 Academic information management 111**

**Academic organisation:** School of Information Technology  
**Contact time:** 2 lw  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Eng and Afr  
**Credits:** 4

**Module content:**
Find, evaluate, process, manage and present information resources for academic purposes using appropriate technology.

**AIM 121 Academic information management 121** (new)

**Academic organisation:** School of Information Technology  
**Contact time:** 2 lw  
**Period of presentation:** Semester 2  
**Language of tuition:** Both Eng and Afr  
**Credits:** 4

**Module content:**
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.

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**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 lw  
**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*
This theme deals with some central aspects in human interaction. These aspects should be known and understood by prospective human resource management practitioners and Industrial Psychologists, as they are acknowledged as human behaviour specialists in the work context who can assist employers/organisations to enhance the performance, productivity and wellness of human resources in the workplace. Effective human interaction plays a pivotal role in this environment. Thus this module covers aspects like the self-concept, social roles, social perception, time structuring and management, motivation and frustration and psychological adaptation processes and how it relates to human interaction in general and with reference to the workplace. Both theory and practical implications are covered.

**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
**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.

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**Alphabetical list of modules offered by the Faculty of Education**

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<tr>
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<td>Life orientation</td>
<td>Early Childhood Education</td>
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<tr>
<td>JLO 121</td>
<td>Life orientation</td>
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<td>2 lpw</td>
<td>Semester 2</td>
<td>Both Afr and Eng</td>
<td>12</td>
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</table>
The practical component focuses on learning and teaching of sport and human movement development skills for the school sport teaching and training environment. It forms the foundation for the following study years where different disciplines are learnt. On attainment of the learning outcomes the student should be able to demonstrate his/her knowledge and understanding of the theory to be applied in the practical classes.

### Alphabetical list of modules offered by the Faculty of Humanities

**AFR 110 Afrikaans 110**  
**Academic organisation:** Afrikaans  
**Contact time:** 2 lpw 2 dpw  
**Period of presentation:** Semester 1  
**Language of tuition:** Afrikaans  
**Credits:** 12  
**Module content:**  
- Taalkundekomponent  
- Inleiding tot die Afrikaanse taalkunde met klem op lees- en skryfvaardigheid  
- Letterkundekomponent  
- Inleiding tot die Afrikaanse letterkunde aan die hand van kortverhale en gedigte.

**AFR 111 Afrikaans 111**  
**Academic organisation:** Afrikaans  
**Contact time:** 1 lpw  
**Period of presentation:** Semester 1  
**Language of tuition:** Double medium  
**Credits:** 12  
**Module content:**  
- Basic Afrikaans grammar and pronunciation and a specific technical (oral health) vocabulary is studied and practised to enable students to converse with patients in the professional environment. In this practical module, students are required to memorise phrases and to practise conversation skills under close observation.

**AFR 120 Afrikaans 120**  
**Academic organisation:** Afrikaans  
**Contact time:** 4 lpw  
**Period of presentation:** Semester 2  
**Language of tuition:** Afrikaans  
**Credits:** 12  
**Module content:**  
- Taalkundekomponent  
- Inleiding tot die Afrikaanse taalkunde met klem op lees- en skryfvaardigheid.  
- Letterkundekomponent  
- Inleiding tot die Afrikaanse letterkunde aan die hand van kortverhale en gedigte.

**ALL 110 Academic literacy 110**  
**Academic organisation:** Unit for Academic Literacy  
**Contact time:** 2 lpw, 1 tpw  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**Credits:** 6  
**Module content:**  
- This module intends to equip students to cope more confidently and competently with the reading and understanding of a variety of texts, to apply these skills in a variety of contexts and to follow the conventions of academic writing.
ALL 125 Academic literacy for Humanities 125
Academic organisation: Unit for Academic Literacy
Contact time: 2 lpw (1 ppw) and 1 tpm
Period of tuition: Semester 2
Language of tuition: English Credits: 6
Module content:
This module equips students to understand and use a range of discipline-specific terminology; apply the strategies of critical and comprehensive reading to their own academic literacy; apply the conventions of academic writing to their own writing, using the process approach, to produce intelligible academic texts and use the correct referencing technique as required by the faculty.

DTS 113 German: Cultural-professional (1) 113
Academic organisation: Modern European Languages
Prerequisite: Grade 12 German
Contact time: 2 lpw 1 dpw
Period of presentation: Semester 1
Language of tuition: Double medium Credits: 12
Module content:
Comprehensive review of German grammar; development of reading, writing, speaking and understanding skills; analysis and interpretation of texts.

DTS 123 German: Cultural-professional (2) 123
Academic organisation: Modern European Languages
Prerequisite: DTS 113
Contact time: 2 lpw 1 dpw
Period of presentation: Semester 2
Language of tuition: Double medium Credits: 12
Module content:
Continuation of comprehensive review of German grammar; further development of reading, writing, speaking and understanding skills; analysis and interpretation of texts.

ELH 111 Academic English for Health Sciences (MBChB and BChD
Academic organisation: Unit for Academic Literacy
Contact time: 2 lpw
Period of presentation: Semester 1
Language of tuition: English Credits: 6
Module content:
Proficiency in academic English by interpreting and contextualising philosophical and sociological texts prescribed during the first semester; medical ethics, study skill improvement.

ELH 112 Academic English for Health Sciences (MBChB and BChD
Academic organisation: Unit for Academic Literacy
Contact time: 2 lpw
Period of presentation: Semester 2
Language of tuition: English Credits: 6
Module content:
Proficiency in academic English used in the basic medical sciences; analysis, synthesis and presentation of select texts prescribed in the second semester.
ELH 121 Academic English for Health Sciences (BCur, BDietetics, BOH, BOccTher, BRad and BPhysT)
**Academic organisation:** Unit for Academic Literacy  
**Contact time:** 2 lpw 1tpw  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**Credits:** 6  
**Module content:**  
Academic reading as well as academic writing and presentation skills, based on the approach followed in the healthcare sciences.

ELH 122 Academic English for Health Sciences (BCur, BDietetics, BOH, BOccTher, BRad and BPhysT)
**Academic organisation:** Unit for Academic Literacy  
**Contact time:** 2 lpw 1tpw  
**Period of presentation:** Semester 2  
**Language of tuition:** English  
**Credits:** 6  
**Module content:**  
Study of specific language skills required in the healthcare sciences.

ELH 131 Academic English for Health Sciences (BClinical Medical Practice)
**Academic organisation:** Unit for Academic Literacy  
**Contact time:** 2 lpw 1tpw  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**Credits:** 6  
**Module content:**  
Study of English used in medicine, aimed at developing reading, writing and interviewing skills in clinical situations.

ELH 132 Academic English for Health Sciences (BClinical Medical Practice)
**Academic organisation:** Unit for Academic Literacy  
**Contact time:** 2 lpw 1tpw  
**Period of presentation:** Semester 2  
**Language of tuition:** English  
**Credits:** 6  
**Module content:**  
Further study of English in medicine, with emphasis on language skills required in clinical contexts.

ENG 110 English 110
**Academic organisation:** English  
**Contact time:** 1 dpw 2 lpw  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**Credits:** 12  
**Module content:**  
*Alternative evening classes – 2 discussion classes per week  
*Introduction to literature in English (1)*  
This module introduces the study of literature by examining a number of texts representing different genres (poetry, prose, drama). The texts studied here will be mainly from the pre-twentieth century era and may include texts written in English from both Africa and other parts of the world. The aim of this module is to equip students with the critical and analytical skills required for a perceptive reading of poetry, novels and plays.
ENG 120 English 120
Academic organisation: English
Contact time: 2 lpw 1 dpw
Period of presentation: Semester 2
Language of tuition: English
Credits: 12
Module content:
*Alternative evening classes – 2 discussion classes per week
Introduction to literature in English (2)
This module introduces the study of post-nineteenth century literature by examining a number of texts representing different genres (poetry, drama, prose). Texts will be from both Africa and other parts of the world.
By the end of this module students should have the background and analytical skills to perceptively read modern and contemporary poetry, novels and plays.

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:
This is a broad introduction to the philosophy and history of science. Examples of themes and historical periods which are covered include: 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 mechanization; 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.

FRN 113 French: Cultural-professional (1) 113
Academic organisation: Modern European Languages
Prerequisite: Grade 12 French
Contact time: 2 lpw 1 dpw
Period of presentation: Semester 1
Language of tuition: Double medium
Credits: 12
Module content:
Comprehensive review of French grammar; development of reading, writing, speaking and understanding skills; analysis and interpretation of texts.

FRN 123 French: Cultural-professional (2) 123
Academic organisation: Modern European Languages
Prerequisite: French 113
Contact time: 2 lpw 1 dpw
Period of presentation: Semester 2
Language of tuition: Double medium
Credits: 12
Module content:
Continuation of comprehensive review of French grammar; further development of reading, writing, speaking and understanding skills; analysis and interpretation of texts.
GES 110 History 110  
**Academic organisation:** Historical and Heritage Studies  
**Contact time:** 2 lpw  
**Period of presentation:** Semester 1  
**Language of tuition:** Both Afr and Eng  
**Module content:**  
The making of the Modern World: a survey  
A selection of themes on Asia, Africa, the Americas and Europe and their contribution to the making of the Modern World.

GES 120 History 120  
**Academic organisation:** Historical and Heritage Studies  
**Contact time:** 2 lpw  
**Period of presentation:** Semester 2  
**Language of tuition:** Both Afr and Eng  
**Module content:**  
Africa and South Africa: a survey  
An overview focusing on the making of African and South African societies from the earliest times to the present with emphasis on the most significant historical forces, factors and events.

MGW 112 People and their environment 112  
**Academic organisation:** Sociology  
**Contact time:** 4 lpw  
**Period of presentation:** Semester 1  
**Language of tuition:** English  
**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.

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  
**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  
**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)  
**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  
**Prerequisite:** SLK 110, SLK 120(GS)  
**Contact time:** 2 lpw 2 dpw  
**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.

SRM 110 Foundations of recreation and sport management 110
Academic organisation: Sport and Leisure Sciences
Contact time: 3lpw
Period of presentation: Semester 1
Language of instruction: Double medium
Credits: 12
Module content:
This module is a broad introduction to sport and recreation as products in the market. Students discover the nature of sport and recreation, the difference between the concepts and policies, plans, strategies and structures of sport and recreation in South Africa and Zone VI in Africa. The dynamic scope and nature of recreation and sport management are introduced and discussed. Emphasis is placed on basic management tasks and functions in sport and recreation contexts, interpersonal communication skills, leadership and control systems and techniques in sport and recreation. The module establishes a foundation of management knowledge and skills on which subsequent sport and recreation management modules are built.

YCS 110 Foundations of sport coaching sciences 110
Academic organisation: Sport and Leisure Studies
Contact time: 3lpw
Period of presentation: Semester 1
Language of instruction: Double medium
Credits: 12
Module content:
This module identifies, defines and examines the underlying theoretical dimensions and practical principles of scientific sport coaching to provide a platform for subsequent knowledge and application in sport coaching contexts.

YCS 120 Teaching and learning in sport 120
Academic organisation: Sport and Leisure Studies
Prerequisite: YCS 110
Contact time: 3lpw
Period of presentation: Semester 2
Language of instruction: Double medium
Credits: 12
Module content:
This module builds on the fundamental principles of sport coaching. It focuses on the processes and techniques of learning and teaching of skills within a sport paradigm. Methodological techniques as implemented by the coach in teaching and learning of sport skills are identified, discussed and applied. In this module the student gets the opportunity to obtain a Level 0/1 Sport Coaching certificate in a sport of choice.

YSP 110 Foundations of sport, exercise and performance psychology 110
Academic organisation: Sport and Leisure Studies
Contact time: 3lpw
Period of presentation: Semester 1
Language of instruction: Double medium
Credits: 12
Module content:
In this module basic principles of sport, exercise and performance psychology are identified as basis for subsequent modules. Fundamental principles of motivation,
activation, attention, personality and aggression and their role in sport, exercise and performance are identified, defined and discussed in diverse sport contexts.

**YSP 120 Psychology of sport coaching 120**

**Academic organisation:** Sport and Leisure Studies  
**Prerequisite:** YSP 110  
**Contact time:** 3lpw  
**Period of presentation:** Semester 2  
**Language of instruction:** Double medium  
**Credits:** 12

**Module content:**
This module introduces the basic principles, dynamics and skills involved in the psychology of sport coaching. Different roles of the coach as leader, motivator, facilitator and communicator are identified and explained from a psychological perspective. In this module the psychological principles constituting the development of children through sport and coaching will be explored and interpreted. The growth principles will be integrated with all the different life phases.

**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