SEFAKO MAKGATHO
HEALTH SCIENCES UNIVERSITY

SCHOOL Calendar 2026

SCHOOL OF DENTISTRY

www.smu.ac.za

Medium of Instruction

The medium of instruction at the Sefako Makgatho Health Sciences University is English.

Validity

This Calendar is valid for the 2026 academic and financial year. The University reserves the right to amend any date, time, rule, policy or provision in this Calendar at any time without prior notice. No responsibility is accepted for possible inaccuracies.
The Senate-approved recess and dates are subject to clinical rotation dates that are supported by the relevant Schools in line with the School timetable for each programme. Where there is a contradiction between the Senate-approved dates and School dates for recess for clinical students, the School dates will take precedence.

University Semesters 2026

FIRST SEMESTER	:	05 January 2026 – 17 July 2026
Autumn Recess (for students)	:	30 March 2026 – 02 April 2026
Winter Recess (for students)	:	08 July 2026 - 17 July 2026
SECOND SEMESTER	:	20 July 2026 - 15 December 2026
Summer (University vacation)	:	23 December 2026 - 04 January 2027

Correspondence

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1. MESSAGE FROM THE SCHOOL OF DENTISTRY AND SMU ORAL HEALTH CENTRE

The goal of the School of Dentistry (SoD) is to become a global leader in Oral Health Education not only in the country but on the continent and globally. The aspirations of students admitted to the School are held in high regard and every effort is made notwithstanding the unplanned and unforeseen events to the contrary, where Academic and Clinical Staff against all odds are committed to each and every student and to ensure that in as far as it is possible that no student is left behind. To this end, the Covid 19 Pandemic has forced all academics to become equipped and skilled in Online Teaching and Learning (OTL) modes of conducting Lectures while at the same time, there is a demand on students to also be equipped with these latest technologies. In this regards we extend appreciation to the Centre for Undergraduate Teaching and Learning (CUTL). Through their noble efforts, the University at large and the School of Dentistry (SD) in particular has derived great benefit from the conduct or Training Seminars for all including Academic, Administrative and Research and Support Staff.

The SD ensures that there is a supportive and enabling environment for student centered learning and for patient centered clinical care. The School of Dentistry is the only major teaching hospital that provides services to communities in Soshanguve, Mabopane, Atteridgeville, Mamelodi and GaRankuwa. Our Mission is summarised in the words: "*Enter to Learn and Exit to Serve".* The School has set up partnerships with the communities through community based initiatives, which we seek to expand and strengthen while at the same time creating opportunities for the youth of the catchment population to enter a career in Dentistry, Oral Hygiene or Dental Therapy. There are also opportunities to enter postgraduate training in all 6 Specialist Dentist areas offered by the Institution.

We seek to deliver on the mandate and together as a team both in the Dental School in partnership with the local communities, we will continue to aspire to serve our people with determination, commitment and dedication.

PROF DINI MAWELA
DEAN: SCHOOL OF DENTISTRY

2. SCHOOL OF DENTISTRY VISION AND MISSION

VISION

Transforming oral health sciences through excellence and innovation.

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MISSION STATEMENT

The School of Dentistry strives to train oral health care practitioners through excellence in innovative teaching, learning, research, and community engagement.

VALUES

- Ubuntu
- Transparency
- Integrity
- Effective leadership
- Accountability
- Excellence
- Commitment
- Discipline
- Student-centred
- Morality

MOTTO

"ENTER TO LEARN, LEAVE TO SERVE"

3. SCHOOL OF DENTISTRY COMMITTEES

Board of the School of Dentistry

CHAIRPERSON
Dean: School of Dentistry
Members from the School of Dentistry
Heads of Academic Departments
Professors and Associate Professors
Permanently appointed Senior Lecturers
Permanently appointed Lecturers
Chairperson of the Dental Student Council
One additional undergraduate Student per degree/diploma course
Three representatives of the Auxiliary service, administrative and technical staff
SD Operations Manager
Assessor Members
Heads of relevant University sections/units

Executive Committee of the Board of the School of Dentistry (DENTEX)

CHAIRPERSON
Dean: School of Dentistry
Members
Registrar (Ex Officio)
HR: SMU Oral Health Centre
HR: Sefako Makgatho Health Sciences University
Clinical Manager: SMU Oral Health Centre
Deputy Director: SMU Oral Health Centre
Heads of Department
One representative from middle management
SD Operations Manager

Academic Planning Committee of the School of Dentistry

CHAIRPERSON
Member of Staff
DEPUTY CHAIRPERSON
Member of Staff
Heads, or their representatives
Community Dentistry
Dental Therapy & Oral Hygiene
Integrated Clinical Dentistry
Maxillofacial & Oral Surgery
Maxillofacial & Oral Radiology
Operative Dentistry
Oral & Maxillofacial Pathology
Orthodontics
Oral Medicine & Periodontology
Prosthodontics
Oral Microbiology
Oral Biology
Two Academic Co-ordinators from Dental Therapy program

Two Academic Co-ordinators from Oral Hygiene program

Assessor Members
Dean
Deputy Dean
SD Operations Manager
DSC Chairperson/representative
One student representative from the three undergraduate programs in the School

Academic Promotions Committee of the School of Dentistry

CHAIRPERSON
Member of staff

MEMBERS
Dean: School of Dentistry
Members: By invitation

EX-OFFICIO MEMBERS
Vice-Chancellor & Principal
DVC: Academic & Research & Innovation
SD Operations Manager

Curriculum Development Committee of the School of Dentistry (CDC)

CHAIRPERSON
Member of Staff

DEPUTY CHAIR
Member of Staff

Members
Dean: School of Dentistry
Director: Quality Assurance
Director: Curriculum Development
Heads of Academic Departments
One additional academic member per Department
Co-opted members as necessary
DSC Representative / Representative
SMU OHC Clinical Manager
SD Operations Manager

Examinations Committee of the School of Dentistry

CHAIRPERSON
Dean: School of Dentistry

Members
Heads or Module Coordinators
Head: Examinations Department
Registrar
Deputy Registrar
SD Operations Manager

Finance, Budget and Grants Committee of the School of Dentistry

CHAIRPERSON
Member of Staff

Members
Dean: School of Dentistry
CEO: SMU OHC
Prof PD Moipolai
Dr S Rajbaran Singh
Prof DP Motloba
Prof TI Munzhelele
Dr L Masha
Prof DP Motloba
Dr C Cronje
Ms Q Thwala
Ms H Wartington
School Operations Manager

Research, Ethics and Innovation Committee of the School of Dentistry

CHAIRPERSON
Dr H Miniggio
Ex Officio Members
DVC: Research and Postgraduate Studies
Dean: School of Health Care Sciences
Dean: School of Dentistry
SD Operations Manager
Members
Dr S Rajbaran Singh
Dr N Makwakwa
Dr L Thema
Mrs M Masetla
Prof DP Motloba
Dr G Phalwane
Prof PD Moipolai
Dr K Masike
Dr D Letsholo
Dr L Masilo
Ms M Morule (IADR EXCO Representative)

Student Selection Committee of the School of Dentistry

CHAIRPERSON
Dean: School of Dentistry
Members
Gwengu PR, Dr
Nzima N, Dr
Lesufi M, Dr
Masetla M, Ms: Dental Therapy
Malaka G, Mr: Oral Hygiene
School Operations Manager
Assessor Members
Director of Student Administration
Control Administrative Officer (Central Admissions and Registration)
DSC Chairperson
Deputy Registrar

Postgraduate Education Committee of the School of Dentistry

CHAIRPERSON
Member of staff
DEPUTY CHAIRPERSON
Member of staff
Ex Officio Members
Dean: School of Health Care Sciences
Dean: School of Dentistry
SD Operations Manager
Members
Dr S Rajbaran Singh
Dr N Makwakwa
Dr L Thema
Mrs M Masetla
Prof DP Motloba
Dr G Phalwane
Prof P Moipolai
Dr K Masike
Dr D Letsholo
Dr L Masilo
Dr H Miniggio
Assessor Members
DVC: Research and Postgraduate Studies
Heads of Department

Quality Assurance & Risk Management Committee of the School of Dentistry

CHAIRPERSON
Member of staff
Deputy Chair:
Member of staff
Ex-Officio Members
Curriculum Specialist
Academic Planning and Institutional Planning
School Operations Manager
DVC: Teaching and Learning
Director: CUTL:
Clinical Manager:
Head: Integrated Clinical Dentistry
Members
Dr L Masha – I-enabler Champion
Dr N Makwakwa – Risk Champion
Dr K Masike – LOOOP Champion
Dr L Masilo
Dr M Tlholoe
Dr P Gwengu
Dr S Rajbaran Singh
Dr D Letsholo
Ms M Masetla
Prof DP Motloba
Prof PD Moipolai
Ms M Mogodi
By invitation
One undergraduate student representative

Academic Level Co-ordinators/Guardians of the School of Dentistry

CHAIRPERSON
Dean: School of Dentistry
Members
BDS 1: Dr L Masha
BDS 2: Dr L Masha
BDS 3: Dr L Masilo
BDS 4: Dr D Kekana
BDS 5: Dr M Nkosi
B Dent Ther 1: Ms M Morule
B Dent Ther 2: Ms M Masetla
B Dent Ther 3: Mr TC Malaka
B Oral Hyg 1: Ms M Morule
B Oral Hyg 2: Mr M Masetla
B Oral Hyg 3: Mr TC Malaka
Postgraduates: Dr D Letsholo and Dr N Makwakwa
SD Operations Manager

SCHOOL OF DENTISTRY DEPARTMENTS AND MEMBERS OF STAFF

OFFICE OF THE DEAN

Dean of School of Dentistry	Prof MPB Mawela, MBChB (Medunsa), M Med (FC Paed)
Clinical Manager	Mukhari-Baloyi(Dr), BDS (UL), Adv Com Dent(UL) MDs(SMU), MChD(com Dent)(UP)
Personal Assistant to the Dean	Mambana WE (Mrs), N Dip PM (TUT), B Tech PM (TUT)
Principal Administrative Officer	Fouché HM (Mrs), NHC PS (Tech Pret)
Administrative Officer	Khoza BA (Ms), NDip(OMT), BTech(BA), MTech(Comp) (TUT)
Administrative Officer	Setshedi TG(Ms), NDip(Man), BTech(Man)(TUT)
Research Assistant	Ndhlome HN(Ms), BSoSc Psyc, Hons BHS Psyc (NWU)

ACADEMIC STAFF PER DEPARTMENT

Community Dentistry

FULLTIME

Adjunct Professor/Head Clinical Department	*Motloba DP (Adjunct Prof), MBL(Unisa) M Dent(Comm Dent) (Medunsa), MPH (Epidemiology) (Tulane),BDS (Medunsa)
Senior Lecture/Dental Specialist	Makwakwa LN (Dr), M Dent (Comm Dent) (SMU), PG Dip Dent (UWC), MPH (UL) (Medunsa), BDS (Medunsa), B Dent Ther (Medunsa)
Lecturer/Dentist	Phalwane MG (Dr), Mphil HPE (SU) Cert HPE SAFRI HPE (Keele, UK), PGDip HPE (UCT), Adv Dip Comm Dent (UL), BDS (UL), BDT (Medunsa), (SMU), Diploma in Comprehensive Nursing and Midwifery (Bara Nursing College),
Lecturer /Dentist	Lesolang RR (Dr), BDS MPH (UL), (SMU) Adva Dip(Comm Dent) (Medunsa), BDT (Medunsa), PGCHE (UP)
Lecturer/Registrar	Shifidi HM (Dr) BDS University of Russia Nizhny State Medial Academy, BA in Nursing Education Univesity of Namibia, Diploma in Comprehensive Nursing and Midwifery (University of Namibia)
Secretary	Selabe LB (Ms), Diploma in Sec; Higher certificate in Admin Management (IA)
PERIODICALS/CTG APPOINTEES	Matomane S (Dr), BDS (Wits), MDS (SMU)
	Bapela MT (Dr), BDS (MEDUNSA) N Dip in Electrical Engineering (TUT)

Oral Hygiene and Dental Therapy

FULLTIME

Acting Head/Lecturer/Oral Hygienist Gr 2	*Malaka TG (Mr), Dip OH (UL), Post Grad Dip in Community Dentistry (SMU)
Lecture/Oral Hygienist Gr 2	Muhlarhi CM (Ms) Dip OH (UP), Post Grad Dip in Community Dentistry (SMU)
Lecturer/ (Oral Hygienist)	Musekene E (Ms) BOH(UP),PGDPH(SMU),MPH (SMU)
Lecturer/Dental Therapist	Masetla MM (Ms), B Dent Ther (Medunsa), MPH (UL)
Lecturer/Dental Therapist	Mothupi KA (Ms), B Dent Thera (UL), PGDHSc (Wits), MPHE (UFS)
Lecturer/Oral hygienist	Morule MJ (Ms), Dip OH (Medunsa), AD Community Dentistry (UL), PGCHE (UP), Bed Hons Educ. (UP), MHPE (UFS)

PERIODICALS/CTG APPOINTEES

Lecturer/Dental Therapist	Makoea MI (Mr), B Dent Ther (Medunsa)
Lecturer/Oral Hygienist	Phophi M (Ms), Dip OH (UL), PGD(Community Dent) (SMU)
Oral Hygienist	Milanzi F (Ms), BOH (SMU)
Dental Therapist	Mashike TR (Ms), BDT (UL)
Secretary	Sithole MJ (Ms), NDip OMT (TUT)

Integrated Clinical Dentistry

FULLTIME

Head Clinical Unit/Senior Lecturer	*Mmutlana I (Dr), BDS, MChD (Pros)
Senior Lecturer/ Dentist Gr 3	Masike KNM (Dr), BDS (Medunsa), PGD Health Professions Education (UCT), MPhil HPE (US), Cert FLDB (Wits)
Lecturer/ Dentist Gr 3	Sehume KD (Dr), B Rad(Diagn) (Medunsa), BDS (Medunsa), Dip Odont (Pret)
Lecturer/Dentist Gr 3	Lesufi ME (Dr), BSc (Medunsa), BDS (UL), MDS (SMU)
Lecturer/ Dentist Gr 3	Modubu LM (Dr), BSc(Ed) (Univ of Bophuthatswana), BDS (Medunsa)
Lecturer/ Dentist Gr 3	Nkosi MM (Dr), BDS (UL)
Secretary	Mabitsela ML (Mrs), N Dip (TUT)

PERIODICALS/CTG APPOINTEES

Dentist	Phatudi MC (Dr), BChD (Medunsa), PDD (Stell)
Dentist	Bray M (Dr), BChD (UWC)
Dentist	Sepeng (Dr), BSc(MBS) (UWC), BChD (UWC)
Dentist	Motladi S (Dr), BDS (Medunsa)
Dentist	Mampane (Dr), BDS (UL)
Dentist	Dr Matomane S (Dr), BDS (Wits), MDS (SMU)

Maxillofacial Oral Radiology

FULLTIME

Head Clinical Unit/ Head Clinical Department/Snr Lecturer	*Rajbaran Singh S (Dr), MSc (UP) BChD (UWC), Dip.Dent (Ortho)(UWC), Dip.HRM (BMTCSA),
Snr Lecturer/Stomatologist Gr 3	Chiloane N (Dr), BDS Medunsa, MDS (MFOR) UL, Health Sciences Education Fellowship, SAFRI (FAIMER)
Lecturer/Dentist Gr 3	Mashigo NJ (Dr), BDS (Medunsa)

NGAP/Lecturer	Meyer M (Ms), BSc (MedSci) UP, BSc (Hons) UP, MSc Anatomy, UP
Lecturer/Radiographer Gr 3	Makungo TO (Mr), B Rad (Diag) (Medunsa)
Lecturer/Radiographer Gr 2	Letsoalo MD (Mrs), Nat Dip (Diag) Wits Tech
Lecturer/Radiographer Gr 1	Matsapola N (Ms), B Hons (Diag), UP
Secretary	Gerber WG (Mrs)

PERIODICALS/CTG APPOINTEES

Dentist	Peranovic V (Dr), BDS (Zagreb Univ, Croatia), PG Dip Dent (Medunsa), MDS (UL)
Dentist	Dammie NE (Dr), BSc, Ued (Unin), BDS (Medunsa)
Dentist	Black AI, BSc (UL), BDS(SMU)
Dentist	Rozmiarek K, BDS (SMU)

Maxillofacial and Oral Surgery

Adjunct Professor/Head Clinical Department	*Munzhelele TI (Prof), BChD (Medunsa), MBChB (UP), MChD-Max-Fax MED (UP), FCMFOS (CMSA), Dip Odont (UP), PGDHSE (WITS)
Senior Lecturer/Dental Specialist	Tlholoe MM (Dr), B Cur, BDS (Medunsa), M Dent (MFOS) (UL), FCMFOS (CMSA)
Lecturer/Dental Specialist	Lebaka CS (Dr), BDT (Medunsa), BDS (UL), MChD Max Fac (Dent (UP) FCMFOS (CMSA), PGdip Oral Surgery (UP)
Lecturer/ Dentist Gr 3	Funda kaMaboza BJ (Dr), BDS (Medunsa)
Lecturer/Dentist	Motloutsi, SPM (Dr), BCUR (Medunsa), BCUR Honours (Medunsa), Nursing Education (UP), BDS (SMU), MDS (SMU)
Lecturer/Registrar	Mamaleka MP (Dr), B Occ Ther (Limpopo), BDS (Medunsa)
Lecturer/Registrar	Nelwamondo D (Dr), BChD (Western Cape)
Lecturer/Registrar	Karuma C (Dr) BDS (Univ of Zimbabwe), BMedSc (Hons) (UCT), MSc Dentistry (Oral Path) (WITS)
Lecturer/Registrar	Louw J (Dr), B.Ch.D; PDD (Oral Surgery); PDD (Implantology) (UWC)
Lecturer/Registrar	Motsepa ES (Dr), BDS (SMU)
Lecturer/Registrar	Mzolo NL (Dr), BDS (UWC)
Lecturer/Registrar	Kgomommu I (Dr), BDS (UL)
Secretary	Prinsloo A (Mrs)

PERIODICALS/CTG APPOINTEES

Specialist	Serumula, LMG (Dr), MBChB (Medunsa), MMed (Anaesthesiology)
Specialist	Ntsie, B (Dr), BchD (UWC), PGDip in Dentistry (Sedation & Pain Control) (UWC), MSc (Dent) (WITS)
Specialist (Volunteer)	Dreyer AF (Dr), BSc MED (UP), BChD (UP), MChD (Medunsa), MBChB (UP)
Lecturer/Dentist	Mafafo, MJ (Dr), B Dent Ther (Medunsa), BChD (UP)
Lecturer/Dentist	Selepe, WC (Dr), BChD (Pretoria), Mmed Sci (Pharm) (Wits), BSc Honours (Pharmacology) (Wits)
Lecturer/Dentist	Mafole MG (Dr), BDS (UL)
Lecturer/Dentist	Makgale TT (Dr), BDS (SMU)
Lecturer/Dentist	Matlala BP (Dr), PGDip in Oral Hygiene (UL), BDS (SMU), BLS Medical
CTG Part-time Lecturer	Kgokolo TM (Dr), BDS (UL)
CTG Part-time Lecturer	Thobela SW (Dr), BDS (SMU)

Operative Dentistry

FULLTIME	
Head Clinical Unit/Senior Lecturer/Dentist	*Gwengu, PR-Q (Dr), BDS (Medunsa), Dip OH (Medunsa), MPH (Medunsa), M Dent (Comm Dent) (UL)
Lecturer/Dentist	Mistry J (Dr), BChD (Pret) cl., MDS (UL) cl.
Lecturer/Dentist	Mudau S, BDS (Medunsa), PG Dip (field Peado) (SMU)
Senior lecture/stomatologist	Kritzinger D, BMedSc (Stellenbosch), BCHD (Stellenbosch), PGDipDent (UP) & MSc (UP).
Lecturer/Dentist	Mathivha MC (Dr), BDS (Medusa), PDip Endo (Pret), PDip Implantology (Pret)
Secretary	Muroa MJ (Ms), ND OMT(TUT), AD Admin Info Man (TUT), PD Admin Info Man
PERIODICALS/CTG APPOINTEES	
Lecturer/Dentist	Ngwetjana PK (Dr), BDS (SMU), BOH (SMU), BSc (Medunsa)
Lecturer/Dentist	Modisakeng TE, BSc (Medunsa), BCHD (UP)
Lecturer/Dentist	Mahlangu (Dr), BOH (UL), BDS (SMU)
Lecturer/Dentist	Mohlaba K.M (Dr), BSc Hons (UL), BSc (UniZulu), BDS(SMU)
Lecturer/Dentist	Maluleka ME (Dr), BSc(Sineral Sc) (Medunsa), BSc (Hons) (Biology) (Medunsa), BhD (UP)
Lecturer/Dentist	Malebane SK (Dr), NC DA (TUT), BDT (UL), BDS (SMU)
Lecturer/Dentist	Sibisi-Maboye LN (Dr), BDT (Medunsa), BDS (UL), PGD (field Com Dent) (UL)

Oral and Maxillofacial Pathology (including Oral Microbiology and Oral Biology)

Oral and Maxillofacial Pathology

FULL TIME	
Head Clinical Department	Masilela MMJ (Dr), BDS (Medunsa), PG Dip Dent (Oral Path) (UL), M Dent (Oral Path) (UL),
Senior Lecturer/Head Clinical Department	Masilo LM (Dr)(Acting), BDT (Medunsa), BDS (UL), MDent (SMU)
Lecturer/Dentist	Masha LR (Dr), BDS (UL); BA (WBS); BP (BB UK)
Lecturer/Registrar	Singh L (Dr), BChD, PDD (UWC)
Lecturer/Registrar	Ravele TC (Dr), BDS (SMU); PGDip Forensic Odontology (UP)
Chief Medical Technologist	Baloyi AS (Mr), National Dip & Higher Dip Med Tech (Histopath) TNG
Medical Technologist	Modiba LS (Ms), National Dip Biomedical Technology (VUT); BA (Health Sciences and Social Services)
Medical Technologist	Sebothoma GP (Mrs), ND (Biomed), BTech(Biomed) (TUT), MSc in Health Sc (MLS) (TUT)
Secretary	
PERIODICALS/CTG APPOINTEES	
Lecturer/Dentist	Mahlangu K (Dr), BOH (UL); BDS (SMU)

Oral Biology

FULLTIME	
Senior Lecturer	Miniggio H-D (Dr), BDS (Romania), MSc Med (Bioethics and Health Law) (Wits); PGDip in Health Sciences Education (Wits); PhD (Bioethics and Health Law) (Wits)
Lecturer	Toyhakale J (Dr),

Oral Microbiology

FULLTIME

Senior Lecturer/Stomatologist Gr 3	Mthethwa SR (Dr), ND Med Techn (Microbiol), BDS (Wits), MPH (Wits), PhD (UL)
Medical Natural Scientist	Sekati EM (Ms), ND Med Tech (TNG); B Tech (Biomed Tech) (TNG); BSc(Med)(Hons) (Medunsa), MSc (Med Microbiology) (UL)
Lecturer	Poopedi E (Dr), PhD (Wits), MSc Med (Wits), BSc Hons (SMU), BSc (UL)

Oral Medicine and Periodontology

FULLTIME

Head Clinical Department	Vacant
Head Clinical Unit	*Manenzhe SC (Dr), (BchD) (UP), Dip Odent (UP), Mdent (Wits), (Pg Dip (HSE)
Lecturer/Dentist	Kekana TD (Dr), BDT(Hons), (Medunsa), BDS (Medunsa), MDS (SMU)
Lecturer/Registrar	Tladi LP (Dr), Braa (UL), BDS (SMU)
Lecturer/Registrar	Black ZP (Dr), BDS (SMU)
Secretary	Tshehla KW, ND-OMT (TUT)

PERIODICALS/CTG APPOINTEES

Consultant/Specialist	Blignaut C (Dr)
Session Dentist	Matlebjane, A (Dr), BOH (Medunsa), BDS (Medunsa)
Session Dentist	M Tlhoaele (Dr), BSc (Medunsa), BChD (UP)
Session Dentist	TM Kgokolo (Dr), BSc, BDS (Medunsa)
Session Dentist	Moloto, KC (Dr), BSc (UL), BDS (SMU)
Session Dentist	Modisakeng, T.E. (Dr), BDS
Session Dentist	Tladinyane TM (Dr), BSc (UWC), BChD (UWC)
Session Dentist	Golele S (Dr), BDT (UL), BDS (UL)
Session Dentist	Mhlaba NT (Dr), BDS (Wits)
Session Dentist	Mnisi TV (Dr), BDietetics (UP), BCHDC (UP)

Orthodontics

FULLTIME

Head Clinical Department	Nyakale MD (Dr), BDS (Medunsa), PG Dip in Dent (UL), M Dent (Ortho) (UL)
Snr Lecturer/Dental Specialist	Letsholo DM (Dr), UDOH (UL), BDS (UL), PG Dip in Dent (SMU) MDent (Ortho) (SMU)
Lecturer/Dentist	Shabangu NP (Dr), BDT (UL), BDS (UL)
Lecturer/Registrar	Mjoli WA (Dr.) BChD (UWC), PG Dip in Dent (UP)
Lecturer/Registrar	Harilal SR (Dr), BDS (Wits), MSc (Wits), PG Dip in Dent (UWC)
Lecturer/Registrar	Manabile MM (Dr), BDS (SMU), PG Dip in Dent (UWC)
Lecturer/Registrar	Pridgeon EM (Dr), BChD (UP), PG Dip in Dent (Endo), PG Dip in Dent (UWC)
Lecturer/Registrar	Mphahlele MB (Dr), BDS (SMU), MSc (Wits)
Secretary	

PART TIME

Part time Consultant	Khan MI (Dr), BDS cl (Medunsa), MDent (Ortho) (UL)
Part-time Consultant	Wanjau J (Dr), BDS (Nairobi), MDS (Medunsa), PG Dip in Dent (UL), MDent (Ortho) (UL)
Part-time Consultant	Carim, R, BChD (UP), MSc (Dent) (Wits), MChD (Ortho) (UWC), FCD (SA) (Orth)
Part-time Consultant	Monehi SE (Dr), BDS (Medunsa), PG Dip in Dent (UL), MDent (Ortho) (UP)

Part-time Consultant	Molamu TMJ (Dr), BSc (Medunsa), BDS (Medunsa), MDS (SMU), MDent (Ortho) (SMU)

PERIODICALS

Lecturer/Dentist	Seleka, MJ, UDOH (Medunsa), BDS (Medunsa)
Lecturer/Dentist	Moloto, KC, BDS (SMU)

Prosthodontics

FULLTIME

Adjunct Professor/ Head Clinical Department	*Moipolai PD (Prof), BChD (Leeds, UK), MDent (Pros) (Wits); MEd (Wits)
Senior Lecturer/Head Clinical Unit	Vacant
Senior Lecturer/Specialist	Kabini SN (Dr), BDS (Medunsa), Dip Odont-Endo (UP), Dip Odont-Pros (UP), MChD (UWC)
Lecturer/Dentist Gr 2	Zwane NP (Dr), BDS (Medunsa)
Lecturer/Dentist	Gwala PN (Dr), BDS (SMU), BDT (UKZN)
Registrar/Dentist	Mafereka RM (Dr), BDS (Wits)
Registrar/Dentist	Thuhlo Y (Dr), BChD (UWC); PDD (Aesth Dent (UWC)
Junior Lecturer/Dentist	Biemo ZD (Dr), BChD (UWC); PDD (Aesth Dent (UWC)
Secretary	Tlhapi KD (Mr), ND Admin Man (TUT), AD Safety Man (UNISA)

PERIODICALS APPOINTEES

Senior Lecturer/Specialist	Fernandes N (Dr), BDS (Wits), MChD (UP)
Senior Lecturer/Specialist	RPN Morweng-Mokgatlha(Dr), BDS (Wits);PGDipDent (Endo, UP), MDS (SMU), MDent (SMU)
Lecturer/Dentist	Phiri RM (Dr), BDS (Medunsa), PDD (Stell), MDS (UL)
Lecturer/Dentist	Sepeng T (Dr), Bsc (MBS), BChD (UWC)
Lecturer/Dentist	Mbuyisa TJ (Dr), BSc (Medunsa), BChd (UP)
Lecturer/Dentist	Tshoma EK (Dr), BDS (Medunsa) PDD otho (Medunsa, MBA (NW)

SMU Dental Laboratory

FULLTIME

Lecturer/Chief Dental Technologist	*Wartington HD (Ms), N Dip Dent Tech ,N Higher Dip Dent Tech (TUT)
Lecturer/Dental Technologist	Lubbe M (Ms), N Dip Dent Tech, B Dent Tech (TUT)
Lecturer/Dental Technician	Thage AH (Mr), N Dip Dent Tech, (DUT)
Lecturer/Dental Technician	Goussard A (Ms), N Dip Dent Tech (TUT)
Lecturer/Dental Technologist	Msiza BP (Mrs), N Dip Dent Tech (TUT), B Dent Tech (TUT)
Lecturer/Dental Technologist	Mbatha HZ (Ms) N Dip Dent Tech, B Dent Tech
Lecturer/Dental Technician	Skosana PN (Ms), N Dip Dent Tech (TUT)
Laboratory Assistant	Khaliphi NB (Ms), N Dip Dent Tech (TUT)
Laboratory Assistant	Sambo MJ (Mr)
Laboratory Assistant	Motaung DM (Mrs)
Laboratory Assistant	Thae OD (Mr)
Administrative Clerk	Kole NRL (Mrs)

PERIODICALS/CTG APPOINTEES

Lecturer/Dental Technologist	Mtolo TM (Ms), N Dip Dent Tech, B Dent Tech (TUT)
Lecturer/Dental Technician	Macoba TP (Ms), N Dip Dent Tech (DUT)
Lecturer/Dental Technician	Ngonyama LL (Mr), N Dip Dent Tech (DUT)

*Indicates head or acting head of department/unit

4. SCHOOL OF DENTISTRY RULES

5.1 SCHOOL OF DENTISTRY RULES: BACHELOR DEGREES

The School offers 3 Bachelor Undergraduate degrees: Bachelor of Oral Hygiene; Bachelor of Dental Therapy and Bachelor of Dental Surgery.

RELATIONS TO OTHER RULES
SD 5.1.1

1.1 The General rules of the University are applicable to the School of Dentistry and will override School Rules where there is a dispute

1.2 The uniqueness of the training in Oral Health necessitates that additional rules be set for the undergraduate programmes which includes Study Guides for Modules.

1.3 Read these rules in conjunction with the University rules.

ADMISSION
SD 5.1.2

The Health Professions Council of South Africa, on the basis of the facilities available in the School of Dentistry, accredited the training programmes to admit a limited number BDS students, B Dent Ther students and B Oral Hygiene students per year. The annual intake of students is determined by these restrictions. Selection of students is by academic merit and is different for the different programmes.

5.1.2.1 BDS (Bachelor of Dental Surgery)

Sefako Makgatho Health Sciences University (SMU) offers opportunities to South African (SA) and Southern African Development Community nationals (SADC applications to be managed by the International Office) to undergo training in dentistry, dental therapy and oral hygiene. Naturalized SADC nationals and permanent residents regardless of origin are also considered. All applicants undergo a rigorous selection process.

SMU, in keeping up with international standards, bases selection on academic measurable variables and ensures that selected students have the ability/ potential to successfully complete their studies in the requisite minimum time. SMU endeavours to attract talented students from all demographic groupings in South Africa whilst prioritizing transformation. In this regard a quota system based on a principle that promotes equitable chances and fairness to students from all population groups as determined by SA Statistics in the annual SA census report is applied in all selection processes. The selection process is done in two phases. The decisions of the School Admissions and Selection Committee are final. The Dean in SD does not have any prerogative to allocate admission spaces.

(i) BDS Phase I: Pre - selection

Students are offered a provisional place based on their final Grade 11 results. Pre-selected Grade 11 students are expected to have attained an admission point score (APS) of at least 37. In addition, students are pre- selected based on their performance in the following four subjects: English, Life Sciences, Physical Science and Mathematics. Refer to Table 1.

However, being pre-selected does not guarantee a place as the Grade 12 results are used to decide on final Admissions are on a competitive basis for available spaces.

A pre - selection offer will be withdrawn if either the applicant's performance in Grade 12 in any of the four above mentioned subjects and/or total APS score drops below their performance in the Grade 11 results or is maintained but happens to be below that of other applicants. The application of such a student is then returned to the general pool of applicants in which applicants are considered based on their Grade 12 performance using the four subjects previously listed.

Firm offers to past matric (NSC) holders, who passed matric up to a maximum of two years prior to the year of application into the programme, will be made (during the pre-selection phase) to the three (3) top/best students

who applied and met all the admission requirements.

Table 1: Minimum requirements for pre-selection into BDS Program

Subjects	Minimum APS Points	SMU Admission Score for preselection
English	5	5
Mathematics	6	6
Physical Science	6	6
Life Sciences	6	6
Additional subject 1	5	
Additional subject 2	4	
Life Orientation	5	
Total	37 points	23 points

Table 2: Admission Point Score (APS) Equivalency Conversion Table

APS Points	NSC / IEB	IGCSE symbols	GCSE symbols	HIGCSE symbols	AS – Levelgrade	A – Levelgrade	IBHL symbols	IBSL symbols
8				1		A* (90-100)	7	
7	80-100%			2	a (80-100)	A (80-89)	6	
6	70-79%	A		3	b (70–79)	B (70-79)	5	7
5	60-69%	B	7	4	c (60–69)	C (60 – 69)	4	6
4	50-59%	C	6		d (50-59)	D (50 – 59)		5
3	40-49%	D	5		e (40-49)	E (40 – 49)		4
2	30-39%	E	4					
1	0-29%	F	3					

- APS - Admission Point Score
- NSC/IEB – SA National School Certificate
- IGCSE - International General Certificate of Secondary Education
- GCSE – General Certificate of Secondary Education
- HIGCSE - Higher International General Certificate of Secondary Education
- AS level - Advanced Subsidiary Level
- A Level – Advanced Level. An A-level represents a year's extra study beyond AS level
- IB HL – International Baccalaureate (Higher levels)
- IB SL - International Baccalaureate Schools (Standard levels)
- Independent Examination Board (IEB)

(ii) BDS Phase 2: Final Selection of Grade 12 Applicants and other applicants withequivalent qualifications

The second phase of selection is done soon after the Grade 12 results have been released. Pre- selected students who either maintained or improved their Grade 11 SMU pre - selection scores, may be given firm offers. However, this will depend on the number of available spaces. Those whose scores fall below the level at which they received a pre-selection offer or those who now score lower in comparison with others are then included in the general pool of applicants for consideration.

For students to be selected from the main data pool they should comply with the following admission requirements:

a) Must achieve a minimum APS score of 37 as described above in Table 1
b) Compete based on the four subjects, and Life Orientation will be calculated as a denominator in case of a tie (Table 1) in the pre-selection criteria. Students will be selected by order of merit using their actual percentage marks in the following subjects: Mathematics, Physical Science, Life Science, and English Language. Selection will be in accordance to the demographic quotas described above using the most current census data.
c) A relevant matriculation or examination results that qualifies enrolment into a degree program (for SADC

nationals from SADC countries not offering dentistry), with an APS to be determined by the enrolment committee on basis of Table 2). The applicants must include a matric exemption certificate issued by South African Qualification Authority (SAQA) as well as proof of Identification (ID document or passport).

Note:

1. Due to the limited number of places available and the competitive nature of the degree program attainment of the minimum requirements stated in Table 1 does not guarantee admission.
2. All first time entering applicants who have performed well and attained high SMU Admission Scores (Table 1), but were not selected to the available spaces, are placed on a waiting list. They will be considered on merit should any of those selected applicants decline the offer.
3. In order to fulfil the national requirement of improving access, the demographical data for SA census of each preceding year is taken into consideration

(iii) Criteria for selection of applicants with completed 1st year BSc I degree courses or equivalent (SMU full BSc I; MBChB I and BSc ECP II course holders)

Two top students with completed 1st year BSc or equivalent courses at SMU will after application be afforded an opportunity to enroll into BDS I**, if space is available**. The combined average percentage of all modules will be used to determine the best one student. In case of BSc - ECP II applicants, the average scores of modules done in both years (Year 1 and 2) will be considered. Only applicants who obtain a minimum of three distinctions and an overall average of 75% and above for the year will be considered. However, the requirements might be higher as only two (2) space are available and selection will be on a competitive basis.

* Equivalent degrees are MBChB I and BSc – ECP II completed at SMU

(iv) Criteria for Selection of applicants with completed degrees (into BDS I only as this may change in later years when admission into 2nd year may be contemplated)

Applicants with completed Natural Science or relevant Health Sciences degree(s) will be selected to fill the allocated quotas. A scoring system presented in Table 5 will be applied to select the best qualifying students. The resultant score will be used in descending order to select qualifying applicants from this pool. The process of the calculation of points will be as follows:

Table 5: Scoring system for candidates with completed 1st degrees

Percentage mark achieved in a module	**Points**
≥ 75%	24
70 – 74%	16
65 – 69	12
60 – 64	8
55 – 59	4
50 – 54	0
Fail	0
A subject passed after a supplementary examination	0

Note:

1. In the case of a student having two degrees at the same level, the best of the two degrees will be used for scoring
2. Students with relevant degrees that have exceeded a prescribed shelf life of three years will be required to re-do all the BDS I modules without any exemption.

Additional points are awarded to applicants with post graduate degrees based on the scoring system presented in Table 3.

Table 3: Additional points awarded to applicants with post graduate and professional degree

Post graduate Degree or Professional Degree	Points
Honours degree completed in **minimum time**	2
Additional point for Honours degree achieved with distinction	1
A four year professional degree in Natural sciences or Health Care Sciences	2
A three year Health Sciences related degree completed in minimum period	1
Additional point for four year professional degree in Natural sciences/ Health Care Sciences with distinction	1
Master's degree	3
Additional point for Master's degree achieved with distinction	1
Doctoral degree	5

5.1.2.2 B Dent Ther (Bachelor of Dental Therapy)

Pre-selection of prospective students is a phased process and is completed by the end of November, in the year preceding admission. Provisional admission is based on Grade 11 final results for candidates in matric. Performance expressed as AP-score must be no less than 28 and for the four subjects below, expressed ascombined (CMB) score of 16, must be maintained or improved in the matric examination to secure a place (see table 7 below). The main/final selection is based on the performance in the following four subjects, each with a minimum of 4:

- English
- Mathematics
- Physical Science
- Life Sciences

In case the students' performance in these subjects drops below that for/in the grade 11 results, the studentwill lose the space in the pre-selected group and will join the general pool of applicants, where the grade 12 results will be the final determinant for the selection

Table 7: Admission Point Score for B Dent Ther

Subjects	Proposed APS Minimum points	SMU Admission Score for Preselection
English	4	4
Mathematics	4	4
Physical Science	4	4
Life Science	4	4
Additional subject 1	4	
Additional Subject 2	4	
Life orientation	4	
Total	28 Points	16 Points

Other qualifying criteria

- In addition to the above, applicants from SADC (to be managed by the International Office), have reserved 1 space, as per university agreement with the relevant authorities. Despite this, candidates must still fulfill /meet the criteria for admission into the program compatible with those admitted. In cases where spaces in these categories are not filled, the spaces will be transferred to South African black candidates.
- Students transferring from any SMU program, completed or incomplete, as well as graduates from other recognized institutions have 2 spaces (5%) reserved. These students must obtain an averageof 65% in their last summative assessment and have an overall score of no less than 8 for all their credit bearing courses. (See Table 5 for score allocation on academic transcript and Table 6 for additional points awarded)
- Students with incomplete qualification must have passed all their summative modules in the final assessments to be considered. In addition, students who were previously excluded for whatever reason, will not be considered without proof of satisfactory performance guarantee.

A total of 25 students can be admitted into the program per academic year. Given the limited spaces, selectionand admission into the program is highly competitive and based on merit and availability of space. Importantly,meeting the minimum criteria does not guarantee selection and admission into the program.

In order to fulfil the national requirement of improving access, the demographical data for SA census is considered during the entire selection and admission process.

5.1.2.3 B Oral Hyg (Bachelor of Oral Hygiene)

Pre-selection of prospective students is a phased process and is completed by the end of November, in the year preceding admission. Provisional admission is based on Grade 11 final results for candidates in matric. Performance expressed as AP-score must be no less than 28/*31 and for the four subjects below, expressed as combined (CMB) score of 16/*19, must be maintained or improved in the matric examination to secure a place (see table 8 below). The main/final selection is based on the performance in the following four subjects, each with a minimum as indicated in table 7:

- English
- Mathematics / *Mathematics Literacy
- Physical Science
- Life Sciences

In case the students' performance in these subjects drops below that for/in the grade 11 results, the student will lose the space in the pre-selected group and will join the general pool of applicants, where the grade 12 results will be the final determinant for the selection

Table 8: Admission Point Score for B Oral Hygiene

Subjects	**Proposed APS Minimum points**	**SMU Admission Score for Preselection**
English	4	4
Mathematics OR Mathematics Literacy	4 ***7**	4 ***7**
Physical Science	4	4
Life Science	4	4
Additional subject 1	4	
Additional Subject 2	4	
Life orientation	4	
Total	28 points with Maths *31 points with Maths Lit	16 Points with Maths *19 Points with Maths Lit

Other qualifying criteria

- In addition to the above, applicants from SADC (**to be managed by the International Office**), have reserved 1 space, as per university agreement with the relevant authorities. Despite this, candidates must still fulfill /meet the criteria for admission into the program compatible with those admitted. In cases where spaces in these categories are not filled, the spaces will be transferred to South African black candidates.
- Students transferring from any SMU program, completed or incomplete, as well as graduates from other recognized institutions have 2 spaces (5%) reserved. These students must obtain an average of 65% in their last summative assessment and have an overall score of no less than 8 for all their credit bearing courses. (See Table 5 for score allocation on academic transcript and Table 6 for additional points awarded).
- Students with incomplete qualification must have passed all their summative modules in the final assessments to be considered. In addition, students who were previously excluded for whatever reason, will not be considered without proof of satisfactory performance guarantee.

A total of 25 students can be admitted into the program per academic year. Given the limited spaces, selection and admission into the program is highly competitive and based on merit and availability of space. Importantly, meeting the minimum criteria does not guarantee selection and admission into the program.
In order to fulfil the national requirement of improving access, the demographical data **of SA census** is considered during the entire selection and admission process.

5.1.2.4 Fitness to Practice Health Care

(a) In the case of a student who is admitted to study any degree in the School of Dentistry, who suffers from a psychological or psychiatric ailment or from substance abuse of any kind, that is professionally assessed to impair his/her clinical and academic function, such a student will be required to excuse him/herself from his/her studies. Such reprieve will, however, only be effective for the duration of such an illness, not exceeding more than one calendar month per two year period. Exceeding this period will require application for interruption of academic studies.

(b) For re-admission, such a student will need to submit evidence of rehabilitation for a period of at least one year, furnished by a registered psychiatrist.
(c) Notwithstanding this requirement, the University reserves the right to request an independent psychiatric assessment of such a Student before considering readmission.
(d) In the event of a student graduating who has been found during the course of his/her studies to be suffering from a psychological or psychiatric disorder or from substance abuse of any nature, the School of Dentistry is obliged to inform the HPCSA about the Student's condition. The Student concerned will also be informed accordingly. (The fitness to practice their profession will in such cases be decided by the HPCSA).

ASSESSMENT
SD 5.1.3

5.1.3.1 **Disciplines with a clinical/practical component**

(i) Summative assessment for dental disciplines with a clinical/practical component extending over a 2 to 3 year period will be conducted at the end of the presentation of the module.

(ii) Disciplines use different methods to calculate the final clinical mark as described in the study guides of the disciplines.

(iii) The clinical mark in all disciplines constitutes 50% to be admitted of the final year mark.

(iv) A student must achieve a clinical year mark of 50% to be admitted to the final assessment.

(v) To pass in a final assessment the student must obtain at least 50% in the clinical assessment.

(vi) Supplementary assessment in the theory will be permitted to students who failed the theory final assessment between 45% and 49%, but have passed the clinical assessment.

(vii) Students failing the clinical assessment must repeat the module in **full** (theory and clinical)

(viii) Students repeating the academic year must repeat the clinical components of the modules passed, must achieve the minimum clinical requirements to be promoted. The original final mark for the module will be retained.

(ix) Only formative assessment will be conducted in both theory and clinical/practical in the 1st and 2nd year BDT/BOH clinical disciplines; 2nd and 3rd year of BDS clinical disciplines. Students will be promoted when an average mark of 50% is achieved, with a sub minimum of 50% for the clinical and 40% for the theory assessments. The calculations of the final marks are described in the study guides of the disciplines.

5.1.3.2 **Oral Assessment**

(i) Oral assessments will serve as a positive modifier of the examination mark in a module.
(ii) Modification of the final combined mark by an oral will not exceed +5%.
(iii) Compulsory oral assessments will be applied to students, with a final combined mark between 45% and 49%, and optional oral assessment for students with final combined mark between 70% and 74% in a module

5.1.3.3 **Re-Assessment**

(i) **BDS First, Second and Third year**
(a) Re-assessment will be allowed in any failed unit(s) according to the general rules with regard to Pharmacology, Psychology for Dentistry, Internal Medicine, Anaesthesiology & General Surgery, and Anatomical and Chemical Pathology.
(b) Formative and clinical marks in promotion modules must be at least 50%
(c) Repeat student should repeat the clinical component of all the modules passed, to a competency level as required by the respective department.

(ii) **BDS Fourth Year**
(a) To qualify for promotion to BDS V, a student must pass all the assessment modules of BDS IV.
(b) A student who does not qualify for promotion to BDS V must:
(i) Repeat all failed modules in full.

(ii) Repeat the clinical component of all the modules passed, to a competency level as required by the respective department.

(iii) Exclusion from the BDS course will apply if a student has failed the repeat module.

(c) A student who has not completed the clinical component of a module previously passed to the required competency level must repeat the year. Exclusion Rule will apply if the clinical component is again not completed to the required competency level.

(iii) **BDT/BOH First and second year**: General Rules of the University apply.

5.1.3.4 **Exemption**

(i) The University General Rule does not apply to those oral health science modules listed below with a practical and/or clinical/pre-clinical component and no exemption will be granted to these modules:

(a) **BDS I**
Integrated Clinical Dentistry

(a) **BDS II**
Integrated Clinical Dentistry II
Operative Dentistry I (*Registered Dental Therapists may apply for exemption when qualified as a Dental Therapist for not more than 3 years ago*).
Prosthodontics I

(c) **BDS III**
Maxillofacial & Oral Surgery I
Operative Dentistry II
Oral Medicine I
Orthodontics I
Pathology & Radiology of Dento-Osseous Anomalies I
Periodontology I
Prosthodontics II

(d) **BDS IV**
Maxillofacial & Oral Surgery II
Operative Dentistry III
Oral Medicine II
Orthodontics II
Periodontology II
Prosthodontics III

(e) **BDS V**
Fifth year students shall be exempted from the module(s) successfully completed.

(f) **B Dent Ther II (Old and new curriculum)**
Oral Health II
Operative Dentistry I
Periodontology
Radiography II

(g) **B Oral Hygiene I**
Oral Health I

(h) **B Oral Hygiene II**
Oral Health I
Periodontology
Specialized Patient Care
Specialized Clinical Dentistry

(ii) A student shall not be exempted from the practical and/or clinical work and has to be assessed in these aspects.

(iii) A student must successfully complete the minimum clinical/practical requirements in these modules in order to be promoted to the next year of study.

(iv) A student who has not completed the clinical component of a module previously passed to the required competency level must repeat the year. Exclusion Rule will apply if the clinical component is again not completed to the required competency level.

(v) On recommendation of the relevant Head of Department exemption may be granted for non-clinical modules previously passed. The time lapse since having obtained a relevant degree or diploma, or having passed the non-clinical module(s) concerned may not be more than three years.

5.1.3.5 Continuous Assessments Review

(a) In alignment with the University Rule G23 the process of reviewing of continuous assessment outcomes following assessment feedback will be facilitated by the Head of Department.

(b) The student who wishes to review any of the continuous assessment outcomes:

(i) Must submit an application to review the continuous assessment outcomes in writing to the Module Coordinator within 5 days of receiving the assessment feedback.
(ii) The Module Coordinator and Head of Department of the discipline, must make sure that the student is able to review the assessment outcomes within 5 working days after receipt of such a written application (form).
(iii) The scripts and written memoranda will be reviewed by the student, lecturer and module coordinator, at the same sitting.

(c) The amended mark following review of the continuous assessment outcomes will be considered as FINAL. The student will receive in writing from the module coordinator and signed by the HoD notification of the final mark as well as closure of the process

5.1.3.6 BDS 5 Program: Criteria For Final Assessment in the Final Year: Admission, Passing and Failing

(a) Format of final assessment

The final assessment shall take the format of –

(i) a summative assessment; and
(ii) Presentations of a portfolio of all completed clinical cases (refer to BDS 5 study guide), the elective, PBL module and any journal/reports/assignments in the Community Outreach.

(b) Admission to final assessment

(i) To qualify for admission to the final assessment a student must have achieved the minimum requirements for the Integrated Clinical Dentistry year. The year mark for all four modules for Integrated Clinical Dentistry must be at least 50%.
(ii) The School of Dentistry will be responsible for admission of a final year student to the final assessment on recommendation by the Head of Integrated Clinical Dentistry in consultation with the Dean.

(c) Passing of the final assessment

The criteria for passing Integrated Clinical Dentistry are –

(i) A minimum pass mark of 50% in the summative assessment;
(ii) Proof by way of the portfolio of evidence presentation that he/she can consistently deliver reasonable professional care. Reasonable professional care can be described as the care that professional peers would expect to be provided to a particular case, taking into consideration:
    1. The care that the patient (lay public) regards as reasonable;
    2. That we are dealing with an entry-level professional who still lacks the experience of many years of practice;
    3. Criteria for reasonable professional care as defined by the HPCSA, as it is reflected in the exit level outcomes for BDS as defined in the document "Competencies of the Sefako Makgatho Health Sciences University Dental Graduate".

5.1.3.7 Failure of the Final Year

(i) Re-examinations are not granted in the final year.
(ii) Final year students shall be exempted from those modules successfully completed. Modules not successfully completed must be repeated in full and assessed at the end of the following semester.

(iii) Should the student again fail the assessment, Board of the School of Dentistry will consider readmission to the program on merit.

5.1.3.8 Awarding Of Qualification

The qualifications in BDS, B Dent Ther or B Oral Hygiene are awarded to a student who has passed all the modules of the respective programme

5.1.3.9 Qualification With Distinction

(i) BDS

The degree with distinction is awarded to a candidate who has obtained an average of not less than 75% for the degree programme, with a minimum of 65% in any of the following modules for the entire degree programme:

Dental Public Health I and II
Integrated Clinical Dentistry I, II, III and IV
Introduction to Microbiology I
Maxillofacial & Oral Radiology I
Maxillofacial & Oral Surgery I and II
Operative Dentistry I, II and III
Oral Biology I
Oral Medicine I and II
Orthodontics I and II
Pathology & Radiology of Dento-Osseous Anomalies I and II
Periodontology I and II
Prosthodontics I, II and III
Modules of Integrated Clinical Dentistry in final year

(ii) B Dent Ther/B Oral Hygiene

The degree with distinction is awarded to a candidate who has obtained an average of not less than 75% for the degree programme, with a minimum of 65% in any of the 1st year to 3rd year modules for the entire degree programme

5.1.3.10 Exclusion from the BDS, B Dent Ther, B Oral Hygiene Program

(i) Unless otherwise decided by Senate –

(a) a student shall not be permitted more than two attempts at passing a module (e.g. Biology I, Physiology I) even when changing his/her degree programme except in the case of final year courses. **Definition**: "Attempt" implies the writing of the standard assessment in a particular module including the subsequent re-assessment where the student qualifies for such assessment.

(b) a student shall similarly not be permitted more than two attempts at passing a particular year of study except in the final year.

(ii) Re-admission of an excluded student will be considered by the School Academic Exclusion Committee. The decisions of the School Academic Exclusions Committee may be submitted for appeal to the d Senate Appeals Committee (academic exclusions). A student may be readmitted to the programme subject to a formal application for admission, proof or rehabilitation of academic competence, availability of space and retention of credits (credits will not be retained after a lapse of 3 years).

ACADEMIC YEAR
SD 5.1.4

The teaching and training weeks of the academic year for the School of Dentistry may not coincide with the University Annual Program

DRESS CODE
SD 5.1.5

(a) Preamble

This policy sets out the expectations of the SMU School of Dentistry/ SMU Oral Health Centre in relation to the appearance and the dress code of the Staff and students. Staff and students are required to adhere to the policy.at all times.

(b) The Dress Code Policy is necessary in order to:
- Present a professional image, thereby increasing patient and public confidence.
- Support infection control and prevention.
- To comply with Occupational Health and Safety Regulations of South Africa.

(c) The School recognizes the diversity of cultures, religions and disabilities of its staff and students and will take a sensitive approach when this reasonably affects the dress requirements.

(d) Pre-clinical year:
- Neat, clean white coat buttoned-up at all times
- Disposable coats may not be used

(e) Clinical:

i. Lab coats must be worn at all times when attending clinic or laboratory sessions. Ensure that the coats are clean and ironed. Shirt sleeves and tails should not be visible, i.e., wearing a long sleeve shirt under a short sleeve coat is unacceptable. Ensure all buttons are secured.

ii. Formal shirts with short or long sleeves are acceptable but should be worn with an appropriate clinical coat (e.g. short sleeved shirt with short sleeved coat & long sleeved shirt with long sleeved coat). A white safari coat may be worn with a plain white round neck T shirt. Branded T-shirts and tops that are revealing are unacceptable.

iii Long trousers are the preferred attire. Shorts, Cargo pants, jeans (of all makes & colours) and track suits are not acceptable for both male and female students. If females wish to wear skirts and dresses they should be knee length.

iv Shoes must be closed top with little or no heels exposed and must be rubber soled / non slip. The front of the shoe must completely cover the top of the foot. Sandals, trainers, high heeled shoes and takkies (canvas shoes) are not acceptable.

v Hair should be neat and tidy at all times and should be tied back in the clinical environment. Males and females with hair shoulder length and below must use clinical head cover / theatre caps when treating patients.

vi Headscarves worn for religious purposes should be permitted in most areas, however it is excluded in areas such as theatre where it could present a cross infection hazard.

vii Beards should be short and neatly trimmed unless it reflects the individual's religion.
- No political party and/ or union branded attire is permitted in the clinic.
- No hats are allowed
- Visible tattoos are to be discouraged and covered at all times. Nails must be clean, short.
- Jewelry should be kept to the minimum (wrist- watch & wedding rings only) and facial piercing is not permitted.

viii Name badges should be worn at all times and at all areas within campus.

5.2 SCHOOL OF DENTISTRY RULES: POSTGRADUATE DIPLOMA IN DENTISTRY

The Postgraduate Studies will be coordinated by the Postgraduate Office located in the Office of the Dean in response to the 2019 HPCSA Postgraduate Accreditation. There will be consultation with the respective Heads of Departments.

General rules of the University shall apply

5.2.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

(i) Registered as a Dentist with the HPCSA (or equivalent) in the country in which the qualification was obtained. Requirements for a Foreign Student is published on the website of the University.

(ii) Dental Therapist and Oral Hygienist registered with the Health Professionals Council of South Africa will also be allowed to apply for the PG Dip in Dentistry in Community Dentistry.

(iii) Registered as a Dentist with the HPCSA is a requirement for the PG Dip in Dent in the field of Minor Oral Surgery.

5.2.2 DURATION

The course is normally followed part-time and over a period of two years, but may be completed in less time if suitable arrangements can be made.

5.2.3 AIMS AND OBJECTIVES

The aim of the PG Dip Dent is to provide Dentists an opportunity to improve their knowledge base, in Dental Public Health (Community Dentistry), Endodontics, Paedodontics, and Minor Oral Surgery. South African Dentists have the added advantage that the Diploma in Dentistry may contribute towards the compulsory Continuing Professional Development programme of the Health Professions Council of South Africa (HPCSA).

5.3 SCHOOL OF DENTISTRY RULES: BACHELOR OF SCIENCE HONOURS IN DENTAL SCIENCES

General rules of the University shall apply

5.3.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

(i) A Bachelor of Science (or equivalent) degree.
(ii) Admission and assessment requirements are subject to approval by Head of relevant Department and approved by the Dean
(iii) Specific requirements for admission: Oral Microbiology: At least 60% for Microbiology at 3rd year BSc level
(iv) Prospective students should consult with the Head of the relevant department prior to registration.

5.3.2 DURATION

The Honours course shall extend over a minimum of one academic year full-time, or a minimum of two successive years for part-time study. The maximum period to satisfy all the requirements shall be four years.

5.3.3 ASSESSMENT

The General Rules of the University apply to all courses in the School of Dentistry, except where these are replaced by the following School of Dentistry rules:

(i) Formative assessment mark
The year mark will be based on a mark obtained for the dissertation (50%) as well as a theoretical test mark (50%) for the module chosen. A subminimum of 50% must be achieved for Research Methodology.
(ii) Assessment
A three-hour paper will be written in the module of choice.
(iii) Final combined mark
The formative assessment mark will contribute 50% and assessment mark 50% to the final combined mark.

5.4 SCHOOL OF DENTISTRY RULES: MASTERS DEGREE IN DENTISTRY

The General Rules apply to all degree programmes in the School of Dentistry, except where these are supplemented by the following School of Dentistry Rules. In the event that a student has to discontinue the program for not meeting academic requirements the HPCSA will immediately be informed.

5.4.1 REGISTRATION AND REGISTRARSHIP

(a) A candidate who is appointed to a Registrar's post between:

(1) **January** and **March** will be registered as from January provided that the application with full supporting documentation is submitted to the University by 31st March;

(2) **April** and **August** will be registered as from 1st of July, provided the application with full supporting documentation is submitted to the University by 31st August; and

(3) **September** and **December** will be registered as from 1st of January of the following year, provided the application is submitted to the University before 31st March the following year.

(b) Registration must be renewed annually in January until completion of the course. A student who fails to register annually will not be granted retrospective recognition of the period for which s/he was not registered, unless acceptable and plausible reasons are provided.

5.4.2 RESEARCH PROTOCOL FOR ALL MASTERS DEGREE CANDIDATES (M DENT AND MDS)

All master degree candidates are required to submit a research protocol to SMUREC as follows:

(i) **MDS by Research and MSc**: Within the first year of registration, however a supplementary period for motivated exceptions will be considered by the Board of the School of Oral Health Science

(ii) **MDS by Course Work**: Within the first 18 months of registration, however a supplementary period for motivated exceptions will be considered by the Board of the School of Oral Health Science

(iii) **M Dent:** Within the first 18 months of registration, however a supplementary period for motivated exceptions will be considered by the Board of the School of Oral Health Science

5.4.3 DISSERTATION REQUIREMENTS FOR MASTERS DEGREES (M DENT)

Research Component

Each candidate will be expected to produce a mini-dissertation (research report) on a topic related to the major module which should show familiarity with research methodology and ability to conduct independent research. As part of the final Masters degree assessment mark, the following is required:

(a) A research based mini-dissertation governed by the General Rules of the University and the School of Dentistry Rules regarding registration with SMUREC, supervision and external assessors as described under the General Rules of the University;

And (b) or/and (c)

(b) A manuscript deemed by the supervisor to be suitable for acceptance and publication by a DHET accredited journal, with the candidate as the primary author. A bound copy of the paper, together with a certificate from the supervisor deeming the paper to be suitable for publication, must be submitted to the University before the degree will be awarded.

Or

(c) A published manuscript in a DHET accredited journal, proof of publication must submitted to the University before the degree will be awarded.

5.4.4 EXEMPTION

(i) Exemption from specific requirements on grounds of comparable training and/or experience may be considered by the Board of the School of Dentistry

(ii) Exemption from the major course is never considered.

5.4.5 AWARDING OF QUALIFICATION

The Masters Degree in Dentistry qualification is awarded to a candidate who has completed the stipulated training period and has passed all the required assessments.

5.4.6 QUALIFICATION WITH DISTINCTION

The qualification with distinction is awarded to a candidate who obtains an average of at least 75% in the major module(s) and dissertation with the first assessment attempt and a subminimum of 65% in each of the primary and intermediate assessment modules.

5.4.7 M DENT(COMMUNITY DENTISTRY)

5.4.7.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

A candidate enrolling for any of the M Dent programmes must be registered as a dentist with the Health Professions Council of South Africa and have practised as a dentist for at least two years. Such enrolment shall be determined by the HOD in consultation with the Dean

5.4.7.2 DURATION

The programme extends over a minimum period of four years during which the student must be in full-time employment as a registrar in the Community Dentistry Department.

5.4.7.3 CURRICULUM

(i) **Clinical/Practical Experience**
Clinical/Practical experience is obtained over a four-year period while holding a full-time registrar's post at the SMU Oral Health Centre or at an equivalent institution recognised by Sefako Makgatho Health Sciences University. These include attachments in clinical services of the Institution, field placement and academic placements.

(ii) At least 50% of the training period shall be completed at the SMU Oral Health Centre whilst the remaining 50% can be completed an institution recognised by Sefako Makgatho Health Sciences University for this purpose and accredited by the HPCSA.

5.4.7.4 ASSESSMENT

(i) **Portfolio assessment**: The candidate will present a portfolio of evidence on community projects and assignments undertaken during the period of study. This will be evaluated within the department and by an external examiner to assess if the portfolio covers the necessary areas that are required to register as a specialist

(ii) **Formative assessment**: Self-directed learning and self-assessment under the continuous supervision of community dentistry specialists. The learner is expected to verbally present topics in community dentistry agreed upon on the relevant topics. He/She is assessed on the presentations on a continuing basis. These will be assessed on the development of the learner from year one to year four.

(iii) **Continuous assessment**: The assessment will also be linked to formative assessment where the criteria will be the course areas to be covered in developing the learner. All areas are assessed for verifying if the essential areas of the course are being covered in the presentations, assignments, community projects and attachments.

(iv) **Summative assessment**:

a) This takes place in the final examination where the learner is expected to write two 3 hour papers on the broad areas indicated in the purpose for training a specialist.
b) Portfolio of evidence presentation
c) Assignments and reports on community projects
d) Report on attachment
e) Dissertation is assessed by means of a standardized rubric as follows:
    - Originality of study
    - Scientific value of the research undertaken
    - Relevance of the literature review to research topic
    - Clarity of aim and objectives
    - Sound methodology
    - Data presentation and sound analysis of data
    - Logical presentation of the discussion and recommendations
    - References based on requirement of institution.
    - Preparation of draft for publication
f) Total quality management of course by internal and two external examiners.

5.4.8 M DENT(MAXILLOFACIAL & ORAL SURGERY)

5.4.8.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

A candidate enrolling for the M Dent(Maxillofacial and Oral Surgery) degree programme must fulfil the following minimum requirements. Such enrolment shall be determined by Head of Department in consultation with the Dean.

i. Must have obtained a minimum mark of 65% in Maxillofacial & Oral Surgery, or a minimum mark of 65% in the Postgraduate Diploma in Dentistry (Oral Surgery) or equivalent;
ii. The Advanced Trauma Life Support (ATLS) should be completed on entry into the M Dent(MFOS) programme.
iii. Preference will be given to South African citizens;
iv. Must have full registration with the HPCSA;
v. Must have two years' experience as a registered independent Dentist.

5.4.8.2 DURATION

The programme extends over a minimum period of five (5) years, during which the student must be in full-time employment as a registrar in an accredited Department of Maxillofacial & Oral Surgery.

5.4.8.3 CURRICULUM

(i) All Masters degree candidates are required to submit a research protocol within the first year of registration, but motivated exceptions will be considered by the Board of the School of Dentistry.

(ii) The Advanced Trauma Life Support (ATLS) should be completed within 6 months on entry into the M Dent(MFOS) program.

(iii) Failure to successfully complete the ATLS will lead to exclusion from the programme.

(iv) Failure to successfully complete the primary courses within 18 months of appointment will lead to exclusion from the degree programme, but an option will be offered to continue with the MDS programme

(v) **Clinical/Practical Experience**

- Clinical experience is obtained over a five (5) year period while holding a full-time clinical training post at the SMU Oral Health Centre or at an equivalent institution recognised by the Sefako Makgatho Health Sciences University.
- At least half of the total training period shall be completed at the SMU Oral Health Centre.

5.4.8.4 ASSESSMENT/RE-ASSESSMENTS

(i) Students shall spend a full-time period of three (3) months in the Department of Oral Pathology.

(ii) Candidates shall spend a full time period of nine (9) months in the various surgical disciplines, as prescribed in the syllabus, before presenting themselves for the assessment in General Principles of Surgery.

(iii) Assessments/Re-assessments shall be conducted within the official Sefako Makgatho Health Sciences University assessment periods only.

(iv) As a prerequisite to sit for the final examination the candidate must fulfil the following:

(a) Submit a logbook with a minimum of 1200 of the following cases:
- Dento-alveolar surgery
- Trauma surgery
- Pathology
- TMJ Surgery
- Orthognathics
- Implantology
- Cleft deformity
- Other advanced surgery

(b) A minor dissertation, together with a paper deemed to be suitable for publication by a SAPSE accredited journal, with the candidate as a primary author. It is a requirement to pass the dissertation to be

allowed to sit for the final examinations. The dissertation should be formalized with research methodology and protocol development.

(v) Final Examination:
- Clinical/Practical work will be assessed on a continuous basis
- Two written papers with a required average of 50%
- Oral examination with a required average of 50%.

(vi) A candidate may be admitted to re-assessment in a basic course, ancillary course or the major course on recommendation of the Head of the Department. Re-assessment shall not be permitted at a time pre-dating the following official assessment period.

(vii) A candidate who fails a re-assessment, after all avenues of support has been explored, will be excluded from the programme. He/she will be required to tender his/her resignation as registrar with one month's notice to the Sefako Makgatho Health Sciences University and to the SMU Oral Health Centre.

5.4.9 M DENT(ORAL PATHOLOGY)

5.4.9.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

A candidate enrolling for any of the M Dent degree programmes must be registered as a dentist with the Health Professions Council of South Africa and have practised as a dentist for at least two years. Such enrolment shall be determined by the HoD in consultation with the Dean.

5.4.9.2 DURATION

The programme extends over a minimum period of five (5) years during which the student must be in full-time employment as a Registrar in the Department of Oral Pathology.

5.4.9.3 CURRICULUM

(i) **Research Component**
A research report, presented in the format of a scientific publication prepared for an accredited scientific journal, should be presented to the Head of the Department before being admitted to the final assessment. This report will be assessed as part of the main module and contribute a maximum of 20% to the final mark.

(ii) **Clinical/Practical Experience**
(a) Clinical/Practical experience is obtained over a Five-year period while holding a full-time registrar post at the SMU Oral Health Centre or at an equivalent institution recognised by Sefako Makgatho Health Sciences University.
(b) At least half of the total training period shall be completed at SMU Oral Health Centre.
(c) Candidates will not be admitted to final examination in Anatomical Pathology (MDDA190) before the completion of at least 25 full body autopsies.
(d) At least 80% of the cases in the practical component of Anatomical Pathology (MDDA190) and Oral Pathology (MMXL190) must be diagnosed satisfactorily in order to pass the examination.

(iii) **Assessment/Re-Assessment**
(a) Primary and Intermediate courses must be successfully completed at least 12 months before the final assessment. A candidate will only be admitted to the Intermediate assessment after having completed a 20-month period in Anatomical Pathology and the execution of at least 25 full body autopsies. The methods of assessment of the primary and intermediate courses will be determined by the Heads of the relevant departments.

(b) Admission to assessment in the Oral Pathology shall be determined by the Head of Department. The assessment will consist of –
- two 3-hour papers (300 marks)
- a practical assessment (200 marks)
- dissertation (100 marks)
- an oral examination (100 marks).
- A sub-minimum of 75% must be achieved in the practical assessment in order to pass the module.

(c) Assessments shall be conducted within the official Sefako Makgatho Health Sciences University assessment periods only.

(d) A candidate may be admitted to re-assessment in a primary course, Intermediate course, or the final course on recommendation of the Head of Department. The re-assessment shall be conducted during the following official assessment period.

(e) A candidate who fails a re-assessment is excluded from the programme. Such candidate will be required to tender his/her resignation as a registrar with one month's notice.

5.4.10 M DENT(ORTHODONTICS)

5.4.10.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

A candidate enrolling for this M Dent programme must be registered as a dentist with the Health Professions Council of South Africa and have practised as a dentist for a period of two years. The candidate must have obtained a minimum mark of 65% in Orthodontics in the final year of the undergraduate programme. A full transcript of the undergraduate performance must be included in the application. Such enrolment shall be determined by the HoD in consultation with the Dean

5.4.10.2 DURATION

The programme extends over a minimum period of four (4) years during which time the student must be in full time employment as a registrar in the Department of Orthodontics.

5.4.10.3 CURRICULUM

(i) **Clinical/Practical Experience**

(a) Clinical/Practical experience is obtained at the SMU Oral Health Centre or at an equivalent institution recognised by Sefako Makgatho Health Sciences University.
(b) At least half of the total training period shall be completed at the SMU Oral Health Centre.
(c) Orthodontics is the main module and spans across all four years of training
(d) Primary modules include: Anatomy for M Dent and Physiology for M Dent as well as Research methodology and Biostatistics.
(e) Interdisciplinary modules include: Applied Oral Biology, Applied Oral Pathology, Applied Psychology in Orthodontics, Applied Periodontics in Orthodontics, Applied Prosthodontics, Applied Maxillofacial Surgery in Orthodontics and Applied Ethics and Medical Law.
(f) A thesis is a stand-alone module

(ii) **Assessment/Re-Assessment**

(a) The minimum pass mark for all modules is 50%. All assessments shall be conducted within the official Sefako Makgatho Health Sciences University assessment periods only.

(b) Primary courses need to be successfully completed within the first 18 months of appointment/registration and failure to do so will lead to exclusion from the degree programme.

(c) A candidate must obtain a pass in all interdisciplinary courses. The method of assessment will be determined by the relevant Heads of Department but a final mark must be arrived at and submitted to the postgraduate office.

(d) A candidate may be admitted for a re-assessment in primary modules, intermediate assessment modules or the final module on recommendation of the Head of the Department. A candidate who fails a re-assessment of the primary and intermediate assessment courses is excluded from the programme. Such candidate will be required to tender his/her resignation as a registrar with one month's notice to the Sefako Makgatho Health Sciences University or to the SMU Oral Health Centre.

(e) Three written tests (60%), 4 major seminars (40%) should be completed for the orthodontic module and will form the year mark.

(f) Final assessment of Orthodontics includes a three hour written paper (50%), 10 Cases (50), and an Oral examination (5% positive modifier). The pass mark is 50% year mark and 50% examination mark.

(g) An option for the candidate to convert to the MDS programme may be granted based on the recommendation by the HOD.

5.4.11 M DENT(PERIODONTICS AND ORAL MEDICINE)

5.4.11.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

A candidate enrolling for any of the M Dent degree programmes must be registered as a dentist with the Health Professions Council of South Africa and have practised as a dentist for at least two years. Such enrolment shall be determined by the HOD in consultation with the Dean

5.4.11.2 DURATION

The programme extends over a minimum period of four (4) years during which the student must be in full-time employment as a registrar in the Periodontology & Oral Medicine Department.

5.4.11.3 CURRICULUM

(i) **Assessment**

(a) The assessment of the intermediate courses Applied Oral Biology (MDBA190) and Applied Oral Pathology (MMXA190), and the final module in Periodontology and Oral Medicine (MDCA190), will be done as follows for examination:
- Oral Biology: candidate to obtain 60% written and 40% for oral examination
- Oral Pathology: candidate to obtain 50% written, 10% practical and 40% oral examination
- Oral Medicine: candidate to obtain 60% written and 40% for oral examination
- Periodontology (including implantology): candidate to obtain 60% written and 40% for oral examination

(b) The final assessment of MDCA190 comprises of two separate final examinations, one in oral medicine and the other in periodontology (including implantology)
NB Note: the following units will be required in partial fulfilment of the Periodontology **and** Oral Medicine course. The format of these modules may vary. In some the requirement will be met by preparation of a dedicated seminar(s) which will be discussed in interaction with the head of the relevant department. In others the requirement will be met by a structured attendance course in that particular discipline.

Oral Microbiology	Dermatology
Radiology	Orthodontics
Prosthodontics	Haematology
Applied Pharmacology	

(ii) **Research Component**

Each candidate will be expected to produce a mini-dissertation (research report) related to the major module (Periodontology and Oral Medicine), which should show originality and the ability to conduct independent research.

(iii) **Clinical/Practical Experience**

(a) Clinical/Practical experience is obtained over a minimum period of three years while holding a full-time registrar post at the SMU Oral Health Centre or at an equivalent institution recognised by Sefako Makgatho Health Sciences University. These equivalent Institutions must be identified and must be accredited with the HPCSA.

(b) At least half of the total training period shall be completed at the SMU Oral Health Centre and remaining 50% be completed in accredited HPCSA training institution.

5.4.11.4 PRIMARY AND INTERMEDIATE COURSES

Failure to complete the –
(i) primary courses within the first 18 months of appointment/registration
(ii) intermediate courses within the first 3 years of appointment/registration,
will lead to exclusion from the degree programme, but an option will be offered to continue with the MDS programme

5.4.11.5 ASSESSMENT/RE-ASSESSMENT

The Head of Department shall determine admission to assessment in the course Periodontics and Oral Medicine.

(i) Assessments will be conducted within the official Sefako Makgatho Health Sciences University assessment periods only.

(ii) A candidate may be admitted to re-assessment in a Primary course, Intermediate courses or the Final course on recommendation of the head of the department. The re-assessment will be held during the following official assessment period.

(iii) A candidate who fails a re-assessment is excluded from the programme. Such candidate will be required to tender his resignation as a registrar with one month's notice to Sefako Makgatho Health Sciences University and to the SMU Oral Health Centre.

5.4.12 M DENT(PROSTHODONTICS)

5.4.12.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

A candidate enrolling for the M Dent(Prosthodontics) degree programme must fulfil the following minimum requirements:
(i) must have obtained a minimum mark of 65% in Prosthodontics of the BDS degree or equivalent
(ii) Must have full registration with the HPCSA under the INDEPENDENT PRACTICE category
(iii) Must have two years' experience as a dental practitioner post Community service
preference will be given to SA citizens
(iv) Foreign candidates must meet the requirements of SA Home Affairs – refer the website of the University.

5.4.12.2 DURATION

The training is over a minimum period of four years whilst employed as a full time registrar at the MOHC (or equivalent institution recognised by SMU) and registered as a registrar at SMU. The majority of the total training time shall be completed at the MOHC.

5.4.12.3 CURRICULUM

(i) **Assessment**

(a) The assessment of the primary courses will comprise:
  (i) Written paper
  (ii) Oral exam

(b) The assessment of the intermediate courses will comprise:
  (i) Written paper
  (ii) Practical exam
  (iii) Oral exam

(c) The assessment of PART I of the Major course will comprise
  (i) Written paper
  (ii) Oral Medicine and Periodontology Seminars/ Case Presentations scheduled for that particular year

(d) The assessment of PART II of the Major course will comprise
  (i) Portfolio of all work done during the programme
  (ii) Clinical Case Presentations/ Mini Clinical Exam (MiniCEX)
  (iii) Prosthodontic Seminars undertaken during the training period
  (iv) Oral exam

(ii) **Clinical / Practical Experience**

This must demonstrate that the candidate has had adequate exposure to and managed patients in all aspects of Prosthodontics i.e. Fixed, Removable & Maxillofacial prosthetics, as well as, Multidisciplinary cases, TMD and Implantology. Where necessary, students may attend other Institutions (by arrangement) in order to receive instruction from specialists, and manage patients in most of these fields.

5.4.12.4 PRIMARY AND INTERMEDIATE COURSES

Failure to complete the –

(i) primary courses within the first 18 months of appointment/registration

(ii) intermediate (including Prosthodontics I) courses within the first 30 months of appointment/ registration

will lead to exclusion from the degree programme, but an option may be offered on the recommendation of the HoD following approval by the appropriate University offices/structures to continue with the MDS programme

5.4.12.5 ASSESSMENT/RE-ASSESSMENT

The HoD in consultation with the Dean shall determine admission to assessment in the Prosthodontics course.

(i) General Rules of the University governing the assessments shall apply.

(ii) Assessments will be conducted within the official SMU assessment periods only

(iii) Primary & Intermediate Courses Assessment:
A candidate who fails the assessment may be re-admitted to a final opportunity at the recommendation of the Head(s) of Prosthodontics and the associated disciplines/ departments. The reassessments will be done during the following official examination period

(iv) A candidate who fails a re-assessment is excluded from the programme. Such a candidate will be required to tender his/her resignation as a registrar with one (1) months' notice to Sefako Makgatho Health Sciences University and SMU Oral Health Centre

5.4.13 MASTER IN DENTAL SCIENCE (MDS)

5.4.13.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

(i) An applicant must be in possession of at least a BDS or equivalent degree. Non-Sefako Makgatho Health Sciences University graduates have to apply for degree status. Admission will further be subject to approval by the Senate of the University.

(ii) An applicant for the MDS degree in Oral and Maxillofacial Radiology will be required to be exposed to an equivalent of one year in a Maxillofacial and Oral Radiology Division in an accredited institution.

(iii) An applicant for the MDS degree in Interceptive Orthodontics must be registered with the HPCSA as a dentist, with at least two years of experience. The candidate must be employed in a government clinic and have a keen interest in interceptive orthodontics

(iv) An applicant for the MDS degree in Community Dentistry must be in possession of the Postgraduate Diploma in Community Dentistry or equivalent qualification. These candidates will only follow the MDS by Research program

5.4.13.2 DURATION

(i) The duration of the course shall be a minimum of one year, full-time and a minimum of two years part-time, with a maximum of two years full-time and three years part-time. An additional year of study will apply to each category for students following the MDS degree in MFOR. Thereafter a request for the extension of time on a yearly basis for a maximum of three years full-time and four years part-time to the Board of the School of Dentistry and Senate.

(ii) For the MDS in Interceptive Orthodontics the course is followed part-time over a period of two years, with a possible extension of a year upon request and recommendation by the Department of Orthodontics

(iii) The registration of the title of the dissertation is approved for a maximum of four years. The final date for submission of the dissertation for assessment is 30 November if the candidate intends to graduate at the first graduation ceremony of the following year.

5.4.14 MASTER OF SCIENCE IN DENTISTRY (MSC (DENTAL))

5.4.14.1 ADMISSION AND REGISTRATION

(i) A person who wishes to be admitted as a candidate shall lodge a written application with the Registrar, submitting evidence of his/her academic record in which the candidate has obtained an Honours degree in Dentistry.

(ii) A candidate who is admitted will be deregistered if the requirement for registration of a research project had not been met.

5.4.14.2 DURATION

A candidate for the degree of Master in Dental Science shall complete the research project in not less than two academic years full-time or three years' part-time study.

5.4.14.3 CURRICULUM

(i) Registration of Research Project
A research project shall, after consultation with the supervisor(s), be registered with the Research, Ethics and Publications Committee of the School of Dentistry within the first year of registration. Motivated exceptions will be considered by the Board of the School of Dentistry.

(ii) Dissertation: A person my do any scientific research relevant to Dentistry

(iii) A manuscript deemed by the supervisor to be suitable for acceptance and publication by a SAPSE accredited journal, with the candidate as the primary author. A bound copy of the paper, together with a certificate from the supervisor deeming the paper to be suitable for publication, must be submitted to the University before the degree will be awarded.

5.4.14.4 ASSESSMENT

(i) The General Rules of the University apply to all courses in the School of Dentistry, except where these are replaced by the following rules

(ii) At the close of the period of research every candidate for the degree shall:

(a) Present for the approval of Senate a dissertation, which must constitute a substantial contribution to the advancement of knowledge in the module chosen. It must be satisfactory with regards to literary presentation and in a format suitable for publication supported

(b) If required by Senate, present himself/herself for an assessment or test, oral or written.

5.5 RULES FOR DOCTORAL DEGREE STUDY

General rules of the University shall apply

5.5.1 PhD DEGREE PROGRAMME (DHMA02)

5.5.1.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

(i) Applicants must be in possession of at least a MDS or equivalent degree.

(ii) **Guidelines:** The General Rules of the University for post-graduate studies shall apply.

5.5.1.2 DEGREE THROUGH SERIES OF PUBLICATIONS

(i) A protocol should be registered. The protocol should define at least 3 parts (part 1, part 2 and part 3). These parts should each fulfill the criteria for a full research publication in an accredited international journal.

(ii) The three parts of the protocol should address one central theme.

(iii) A supervisor should be appointed as for a conventional PhD.

(iv) The three (or more) parts of the PhD are submitted by the candidate for publication in an accredited international scientific journal. Local journals or journals of general dental associations will be excluded in order to ensure international peer review by refereeing panels of journals aimed at a specialty field in Dentistry (e.g. dental materials, endodontics, oral biology, oral medicine, orthodontics, infectious diseases, etc)

(v) After acceptance of the final manuscript by the panel of referees of the journal, the candidate may proceed to conclude the study with an introductory chapter, a summary and a conclusion.

(vi) An introduction consisting of an extensive review of the literature pertaining to the core theme of the thesis will be required. The candidate should clearly indicate the discrepancies in the knowledge on the topic. The rationale for the study should be given in detail as well as the way in which the candidate will approach the study (methodology). These requirements must be met in the protocol and approved by the supervisors before submission to REPC.

(vii) This document comprises of a thesis and should be submitted for assessment.

5.5.2 D DENT DEGREE PROGRAMME

5.5.2.1 ADMISSION REQUIREMENTS AND STUDENT SELECTION

This is a *Honoris Causa* Degree.

5.5.2.2 GUIDELINES FOR THE D DENT DEGREE

A nomination signed by 6 members of the Board of the School of Dentistry, should be submitted to the Board of the School of Dentistry. The nomination should include full *Curriculum Vitae* and/or other *ad hominem* information in motivation of the nominee. After recommendation by the Board of the School of Dentistry, the nomination will be forwarded through Senate to the Honorary Degrees Committee of Council for ratification. The nominee's contribution to Dental Science, Health Policy and any other activity related to Dental and Oral Health Care must be of an international standard.

6 SCHOOL OF DENTISTRY DEGREE AND DIPLOMA PROGRAMMES

CODE		PROGRAMME	ABBREVIATION
6.1	UNDERGRADUATE DEGREE PROGRAMMES		
	BDS01	Bachelor of Dental Surgery	BDS
	BDT02	Bachelor of Dental Therapy	B Dent Ther
	BOH02	Bachelor of Oral Hygiene	B Oral Hyg
6.2	MASTER'S DEGREE PROGRAMMES		
	MDNB01	Master of Dentistry in Community Dentistry	M Dent(Community Dentistry)
	MDNC01	Master of Dentistry in Maxillofacial and Oral Surgery	M Dent(Maxillofacial and Oral Surgery)
	MDND01	Master of Dentistry in Oral Pathology	M Dent(Oral Pathology)
	MDNE02	Master of Dentistry in Orthodontics	M Dent(Orthodontics)
	MDNA01	Master of Dentistry in Periodontics and Oral Medicine	M Dent(Periodontics and Oral Medicine)
	MDNF01	Master of Dentistry in Prosthodontics	M Dent(Prosthodontics)
	MDS01	Master of Dental Science by Course Work and Mini-dissertation	MDS
	MDSA01	Master of Dental Science by Research	MDS
	MDT01	Master of Science in Dentistry	MSc(Dental)
6.3	HONOURS DEGREE PROGRAMMES		
	HDS01	Bachelor of Science Honours in Dental Sciences	BSc Hons (Dental Sciences)
6.4	DOCTOR'S DEGREE PROGRAMMES		
	DHMA02	Doctor of Philosophy	PhD
		Doctor of Dentistry	D Dent (Honoris Causa)
6.5	POST-GRADUATE DIPLOMA PROGRAMMES		
	PDN01	Postgraduate Diploma in Dentistry	P Dip Dent

7 CURRICULUM INFORMATION

7.1 BDS DEGREE PROGRAMME (BDS01)

7.1.1 DURATION

The programme extends over a minimum period of five years.

BDS CURRICULUM (BDS01)

CURRICULUM INFORMATION					
School:	DENTISTRY				
Qualification Name:	BACHELOR OF DENTAL SURGERY		**Qualification Code:**	BDS01	
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY		**Last Revision date:**	2013	
Total SAQA Credits for Qualification:	804		**Is this a fixed Curriculum:**	Yes	

PERIOD OF STUDY / YEAR LEVEL 1 (BDS01)					
Module		**Clinical/ Non Clinical**		**Offering Period[2]**	**POSSIBLE MAJOR**
MEHS010	English for Health Sciences	Non clinical		Y	Y
MBEH010	Behavioural Sciences	Non clinical		Y	Y
MBLC010	Biology I	Non clinical		Y	Y
MBPC010	Biophysics I	Non clinical		Y	Y
MCHM010	Chemistry IA	Non clinical		Y	Y
MINM010	Introduction to Microbiology	Non clinical		Y	Y
MICL010	Integrated Clinical Dentistry I	Non Clinical		Y	Y
PERIOD OF STUDY / YEAR LEVEL 2 (BDS01)					
Module		**Clinical/ Non Clinical**		**Offering Period[2]**	**POSSIBLE MAJOR**
MCDB020	Integrated Clinical Dentistry II	Clinical		Y	Y
MODA020	Operative Dentistry I	Clinical		Y	Y
MPRA020	Prosthodontics I	Pre-Clinical		Y	Y
MANA020	Applied Anatomy	Non clinical		Y	Y
MPLA020	Physiology for Dentistry	Non clinical		Y	Y
MMXA020	Oral Biology I	Non clinical		Y	N
MMXB020	Maxillofacial & Oral Radiology	Non Clinical		Y	Y

PERIOD OF STUDY / YEAR LEVEL 3 (BDS01)					
Module		**Clinical/ Non Clinical**		**Offering Period[2]**	**POSSIBLE MAJOR**
MMXA030	Maxillofacial & Oral Surgery I	Clinical		Y	Y
MODA030	Operative Dentistry II	Clinical		Y	Y
MORC030	Oral Medicine I	Clinical		Y	Y
MMXB030	Orthodontics I	Clinical		Y	Y
MMXC030	Pathology & Radiology of Dento-Osseous Anom I (Radiography)	Clinical		Y	Y
MPEB030	Periodontology I	Clinical		Y	Y
MPRA030	Prosthodontics II	Clinical		Y	Y
MDEB030	Dental Public Health I	Non Clinical		Y	Y
MCDA030	Integrated Clinical Dentistry III	Non Clinical		Y	Y
MAPB031	Anatomical & Chemical Pathology	Non Clinical		Y	N
MPSD031	Psychology for Dentistry	Non Clinical		S1	N
MMMA031	General Microbiology and Immunology	Non Clinical		S1	N
MPYC031	General Pharmacology	Non Clinical		Y	N
MAAA032	Internal Medicine, General Surgery and Anaesthesiology	Non Clinical		S2	N
PERIOD OF STUDY / YEAR LEVEL 4 (BDS01)					
Module		**Clinical/ Non Clinical**		**Offering Period[2]**	**POSSIBLE MAJOR**
MMXA040	Maxillofacial & Oral Surgery II	Clinical		Y	N
MODA040	Operative Dentistry III	Clinical		Y	N
MORA040	Oral Medicine II	Clinical		Y	N
MMXB040	Orthodontics II	Clinical		Y	N
MMXC040	Pathology & Radiology of Dento Osseous Anomalies II (Pathology)	Clinical		Y	N
MPEC040	Periodontology II	Clinical		Y	N
MPRA040	Prosthodontics III	Clinical		Y	N
MDED040	Dental Public Health II	Non clinical		Y	N
MCDA040	Integrated Clinical Dentistry IV	Non clinical		Y	Y
PERIOD OF STUDY / YEAR LEVEL 5 (BDS01)					
Module				**Offering Period[2]**	**Possible major[3]**
MCDA050	Comprehensive Clinical Cases			Y	N
MRDA050	Problem Based Learning			Y	N
MSVA050	Service Learning			Y	N
MELA050	Electives			Y	N

7.2 B DENT THER DEGREE PROGRAMME (BDT02)

7.2.1 CURRICULUM OF THE B DENT THER DEGREE PROGRAMME (BDT02)

CURRICULUM INFORMATION					
School:	DENTISTRY				
Qualification Name:	BACHELOR OF DENTAL THERAPY		**Qualification Code:**	**BDT02**	
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY		**Last Revision date:**	2019	
Total SAQA Credits for Qualification:			**Is this a fixed Curriculum:**		Yes

PERIOD OF STUDY / YEAR LEVEL 1 : BDT02					
		Clinical/ Non Clinical	**Credits**	**Offering Period[2]**	**Possible major[3]**
The following 10 module/s are COMPULSORY					
MICD010	Integrated Clinical Dentistry	Clinical		Y	N
MRAB010	Radiography I	Non Clinical		Y	N
MEHS010	English for Health Sciences	Non Clinical		Y	N
MBEH010	Behavioural Sciences	Non Clinical		Y	N
MDEA010	Dental Public Health I	Non Clinical		Y	N
MANB111	Anatomy (1st semester)	Non Clinical		S1	N
MPHL010	Physiology	Non Clinical		Y	N
MCHY010	Chemistry IB	Non Clinical		Y	N
MIOM010	Oral Microbiology	Non Clinical		Y	N
MORB010	Oral Biology	Non Clinical		Y	N

PERIOD OF STUDY / YEAR LEVEL 2 : BDT02					
		Clinical/ Non Clinical	**Credits**	**Offering Period[2]**	**Possible major[3]**
The following 10 module/s are COMPULSORY					
MODB020	Operative Dentistry I	Pre-Clinical		Y	N
MPER020	Periodontology (for BDT)	Clinical		Y	N
MRAB021	Radiography II	Clinical		Y	N
MEHS020	English Language for Health Sciences II	Non clinical		Y	N
MAOR020	Applied Oral Pathology	Non clinical		S1	N
MPHA020	Applied Pharmacology	Non clinical		Y	N
MDEA020	Dental Public Health II	Non clinical		Y	N
MICD020	Integrated Clinical Dentistry II	Non clinical		Y	N
MEXO021	Exodontia I (1st sem)	Non clinical		Y	N
MREA020	Research Methodology I	Non clinical		Y	

PERIOD OF STUDY / YEAR LEVEL 3 : BDT02					
		Clinical/ Non Clinical	**Credits**	**Offering Period[2]**	**Possible major[3]**
The following 7 module/s are COMPULSORY					
MORA030	Oral Medicine for BDT	Clinical		Y	N
MEXO030	Exodontia II	Clinical		Y	N
MRAB031	Radiography III	Clinical		Y	N
MDEA030	Dental Public Health III	Non clinical		Y	N
MICD030	Integrated Clinical Dentistry I	Non Clinical		Y	N
MODB030	Operative Dentistry II	Clinical		Y	N
MREA030	Research II	Non Clinical		Y	N

7.3 B ORAL HYGIENE DEGREE PROGRAMME (BOH02/BOH01)

Duration: Programme extends over a **minimum** period of three years.

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	BACHELOR OF ORAL HYGIENE	**Qualification Code:**	BOH02
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2019
Total SAQA Credits for Qualification:		**Is this a fixed Curriculum:**	Yes

PERIOD OF STUDY / YEAR LEVEL 1 : BOH02					
Module Code	**Module**	**Clinical/ non clinical**	**Credits**	**Offering Period[2]**	**Possible major[3]**
The following 11 modules are **COMPULSORY**					
MORH010	Oral Health I	Clinical		Y	Y
MRAB010	Radiography I	Non clinical		Y	N
MEHS010	English for Health Sciences	Non clinical		Y	N
MBEH010	Behavioural Science	Non clinical		Y	N
MDEA010	Dental Public Health I	Non clinical		Y	Y
MPHL010	Physiology	Non clinical		S1	N
MCHY010	Chemistry	Non clinical		Y	N
MIOM010	Oral Microbiology	Non clinical		Y	N
MANB111	Anatomy (1ST semester)	Non clinical		S1	N
MORB010	Oral Biology	Non clinical		Y	N
MICD010	Integrated Clinical Dentistry	Clinical		Y	N

PERIOD OF STUDY / YEAR LEVEL 2 : BOH02					
Module Code f	**Module**	**Clinical/ Non Clinical**	**Credits**	**Offering Period[2]**	**Possible major[3]**
MORH020	Oral Health II	Clinical		Y	N
MSPA020	Specialized Clinical Dentistry	Pre-Clinical		Y	N
MPER020	Periodontology for BOH	Clinical		Y	N
MRAB021	Radiography II	Clinical		Y	N
MEHS020	English of Health Sciences II	Non Clinical		Y	N
MDEA020	Dental Public Health II	Non Clinical		Y	N
MICD020	Integrated Clinical Dentistry I	Non clinical		Y	N

MAOR020	Applied Oral Pathology	Non clinical		Y	N
MPHA020	Applied Pharmacology	Non Clinical		Y	N
MREA020	Research Methodology	Non Clinical		Y	N

PERIOD OF STUDY / YEAR LEVEL 3 : BOH02				
Module Code	**Module**	**Credits**	**Offering Period[2]**	**Possible major[3]**
MORB030	Oral Medicine for BOH		Y	N
MSPB030	Clinical Dentistry: Clinical Practice		Y	Y
MORH030	Oral Health III		Y	Y
MRAB031	Radiography III		Y	N
MDEA030	Dental Public Health III		Y	Y
MICD030	Integrated Clinical Dentistry III		Y	N
MREA030	Research Methodology		Y	N

7.4 POSTGRADUATE DIPLOMA IN DENTISTRY (PDN01)

The course is normally followed part-time and over a period of two years, but may be completed in less time if suitable arrangements can be made.

CURRICULUM INFORMATION			
SCHOOL: DENTISTRY			
POSTGRADUATE DIPLOMA IN DENTISTRY		**Qualification Code:**	PDN01
SEFAKO MAKGATHO HEALTH SC UNIVERSITY		**Last Revision date:**	2020
Total SAQA Credits for Qualification:	128	**Is this a fixed Curriculum:**	Yes

Module Code		YEAR	Module
Endodontics		1	Applied Ethics and Medical Law (Pending approval)
	MDGA180	1	Oral Biology (name change pending approval) ~~(Biol in Dental Pulp and Periodontium)~~
	MDGB180	1	Oral Pathology (name change pending approval) ~~(Pulp Pathology)~~
	MDGC180	2	Root Canal Therapy
	MDGD180	2	Endodontics Emergency
Paedodontics		1	Applied Ethics and Medical Law (Pending approval)
	MDGA180	1	Oral Biology (name change pending approval) ~~(Biol in Dental Pulp and Periodontium)~~
	MDGB180	1	Oral Pathology (name change pending approval) ~~(Pulp Pathology)~~
	MRDA180	2	Direct Restorative Materials
	MRDB180	2	Paedodontics
Minor Oral Surgery		1	Applied Ethics and Medical Law (Pending approval)
	MDTA180	1	Oral Pathology
	MDTB180	1	Orofacial Anatomy
	MDTC180	1	Applied Orofacial Physiology
	MDTD180	2	Complications of Minor Oral Surgery
	MDTE180	2	Advanced Exodontia
	MDTF180	2	Introduction to Facial Trauma
Community Dentistry		1	Applied Ethics and Medical Law (Pending approval)
	MPRA180	1	The Concept of Health and its Determinants
	MPRB180	2	Health Policy
	MPRC180	2	Health Systems
	MPRD180	2	Health Promotion
	MPRE180	1	Epidemiology, Biostatistics and Research Methods

7.5 BACHELOR OF SCIENCE HONOURS IN DENTAL SCIENCES (HDS01)

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	BACHELOR OF SCIENCE HONOURS IN DENTAL SCIENCES	**Qualification Code:**	HDS01
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2020
Total SAQA Credits for Qualification:	120	**Is this a fixed Curriculum:**	Yes

HDS01	Module	Offering Period[2]	Possible major[3]
MMXB080	Microbiological Aetiology of Dental Caries	Y	Y
MMXC080	Immunology in the Oral Cavity	Y	Y
MMXD080	Microbiology of Periodontal Diseases	Y	Y
MMXE080	Oral Ecology	Y	Y
MMXA080	Research Project in Oral Microbiology	Y	Y

7.6 MASTER OF DENTISTRY IN COMMUNITY DENTISTRY (MDNB01)

The programme extends over a minimum period of four years during which the student must be in full-time employment as a registrar in the respective Department.

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	MASTER OF DENTISTRY IN COMMUNITY DENTISTRY	**Qualification Code:**	MDNB01
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2020
Total SAQA Credits for Qualification:	776	**Is this a fixed Curriculum:**	Yes

MDNB01	Module	Offering Period[2]	Possible major[3]
MDRM191	Research Methodology	S1	N
BIOZ191	Biostatistics	1	N
MEML191	Applied Ethics and Medical Law	1	N
MDBA190	Public Health Reviews	Y	Y
MDBB190	Principles of Public Health	Y	Y
MDBC190	Health Promotions	Y	Y
MDBD190	Health Policy	Y	Y
MDBE190	Health Systems Management	Y	Y
MDBF190	Principles of Epidemiology	Y	Y
MDBG190	Applied Statistics	Y	Y
MDBH190	Health Promotion and Behaviour Change	Y	Y
MDBI190	Community Dentistry	Y	Y
MDBA090	Mini-Dissertation (Community Dentistry)	4Y	Y

27.7 MASTER OF DENTISTRY IN MAXILLOFACIAL & ORAL SURGERY (MDNC01)

The programme extends over a minimum period of five (5) years, during which the student must be in full-time employment as a registrar in an accredited Department of Maxillofacial & Oral Surgery.

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	MASTER OF DENTISTRY IN MAXILLOFACIAL & ORAL SURGERY	**Qualification Code:**	MDNC01
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2020
Total SAQA Credits for Qualification:	916	**Is this a fixed Curriculum:**	Yes

Module Code	Module	Offering Period[2]	Possible major[3]
MDRM191	Research Methodology	S1	N
MEML191	Applied Ethics and Medical Law	1	N
MAND190	Anatomy for M Dent	Y	N
MPLC190	Physiology for M Dent	Y	N
MDCA190	Pathology for M Dent	Y	N
MMXB190	Oral Pathology	Y	N
MDCB190	General Principles of Surgery (intermediate)	Y	N
MDCA090	Mini-Dissertation (Maxillofacial)	5Y	N
MDCC190	Maxillofacial and Oral Surgery	Y	Y

7.8 MASTER OF DENTISTRY IN ORAL PATHOLOGY (MDND01)

The programme extends over a minimum period of five (5) years during which the student must be in full-time employment as a Registrar in the Department of Oral Pathology.

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	MASTER OF DENTISTRY ORAL PATHOLOGY	**Qualification Code:**	MDND01
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2020
Total SAQA Credits for Qualification:	964	**Is this a fixed Curriculum:**	Yes

Module Code	Module	Offering Period[2]	Possible major[3]
MDRM191	Research Methodology	S1	N
BIOZ191	Biostatistics	Y	N
MEML191	Applied Ethics and Medical Law	Y	N
MAND190	Anatomy for M Dent	Y	N
MPLC190	Physiology for M Dent	Y	N
MMMA190	Molecular Biology	Y	N
MDDA190	Anatomical Pathology	5Y	Y
MMXL190	Oral Pathology (major)	5Y	Y
MDDA090	Mini Dissertation (Oral Pathology)	5Y	Y

7.9 MASTER OF DENTISTRY IN ORTHODONTICS (MDNE02)

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	MASTER OF DENTISTRY IN ORTHODONTICS	**Qualification Code:**	MDNE02
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2020
Total SAQA Credits for Qualification:	732	**Is this a fixed Curriculum:**	Yes

Year	Sem	Module Code	Module Name	Offering Period[2]	Possible major[3]
1	1 and 2	MPLC191	Physiology for M Dent (Orthodontics)	Y	N
		MAND191	Anatomy for M Dent (Orthodontics)	Y	N
		MDRM191	Research Methodology	Y	N
		BIOZ191	Biostatistics	Y	N
2	1	MMXJ191	Applied Oral Biology	2	N
		MDFC191	Applied Periodontology in Orthodontics	1	N
	2	MDGB191	Applied Oral Pathology	2	N
		MDFG191	Applied Psychology in Orthodontics	2	N
Sub Total credits					
3	1	MDFB191	Applied Prosthodontics in Orthodontics	1	N
	2	MDFA191	Applied Maxillofacial Surgery in Orthodontics	2	N
		MEML191	Applied Ethics and Medical Law	2	N
Sub Total credits					
4	1 and 2	MDFA091	Mini-Dissertation (Orthodontics)	4Y	Y
		MDFH191	Orthodontics (*Clinical practice and theory)*	Y	Y
Sub Total credits					

7.10 MASTER OF DENTISTRY IN PERIODONTICS AND ORAL MEDICINE (MDNA01)

The programme extends over a minimum period of four (4) years during which the student must be in full-time employment as a registrar in the respective Department.

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	MASTER OF DENTISTRY IN PERIODONTICS AND ORAL MEDICINE	**Qualification Code:**	MDNA01
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2018
Total SAQA Credits for Qualification:	776	**Is this a fixed Curriculum:**	Yes

Module Code	Module	Offering Period[2]	Possible major[3]
MDRM191	Research Methodology	S1	N
BIOZ191	Biostatistics	1	N
MEML191	Applied Ethics and Medical Law	Y	N
MAND190	Anatomy for MDent	Y	N
MPLC190	Physiology for MDent	Y	N
MDAA190	Principles of General Pathology	Y	N
MMXA190	Applied Oral Pathology	Y	N
MDAB190	Applied Oral Biology	Y	N
MDAC190	Periodontology & Oral Medicine	4Y	Y
MDAA090	Mini-Dissertation (Periodontology)	4Y	Y

7.11 MASTER OF DENTISTRY IN PROSTHODONTICS (MDNF01)

The training is over a minimum period of four years whilst employed as a full time registrar at the MOHC (or equivalent institution recognised by SMU) and registered as a registrar at SMU. The majority of the total training time shall be completed at the MOHC.

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	MASTER OF DENTISTRY IN PROSTHODONTICS	**Qualification Code:**	MDNF01
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2019
Total SAQA Credits for Qualification:	760	**Is this a fixed Curriculum:**	Yes

MDNF01	Modules	Offering Period[2]	Possible major[3]
MDRM191	Research Methodology	S1	N
BIOZ191	Biostatistics	1	N
MEML191	Applied Ethics and Medical Law	Y	N
MAND190	Anatomy for M Dent	Y	N
MPLC190	Physiology for M Dent	Y	N
MDGA190	Oral Biology	Y	N
MDGB190	Applied Oral Pathology	Y	N
MDGC190	Oral Microbiology and Immunology	Y	N
MDGD190	Prosthodontics I	Y	Y
MDGE190	Prosthodontics II	Y	Y
MDGA090	Mini Dissertation (Prosthodontics)	Y	Y

7.12 MASTER OF DENTAL SCIENCE BY COURSE WORK (MDS01)

(i) The duration of the course shall be a minimum of one year, full-time and a minimum of two years part-time, with a maximum of two years full-time and three years part-time. An additional year of study will apply to each category for students following the MDS degree in MFOR. Thereafter a request for the extension of time on a yearly basis for a maximum of three years full-time and four years part-time to the Board of the School of Dentistry and Senate.

(ii) The MDS course comprise of compulsory and elective modules. Selection of elective modules is done in conjunction with the discipline with which the course is registered. The total credits for the compulsory and elective modules should not be less than 180.

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	MASTER OF DENTAL SCIENCES BY COURSE WORK	**Qualification Code:**	MDS01
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2022
Total SAQA Credits for Qualification:	212	**Is this a fixed Curriculum:**	NO

Module Code	Module	Offering Year	Credits
(a)	**Compulsory**		
MDRM191	Research Methodology	1	8
BIOZ191	Biostatistics	1	8
	Applied Ethics and Medical Law (Waiting for code from IPD)	1	8
(b)	**The following elective modules to be registered relevant to the field of Research/Supervisory Department to a total of at least 212 Credits. If the credits are less than 212 an additional module should be elected in consultation with the relevant Department supervising the research.**		
(b)(i)	MDS by Course Work: Field of **Maxillofacial & Oral Radiology** + (a) Compulsory Modules		
MHAD190	Anatomy	1	20
MAPB190	Applied Physiology	1	20
MMXK190	Oral Pathology	2	40
MMXC190	Maxillofacial Radiology	2	40
MMXA090	Mini Dissertation (in the field of Maxillofacial Radiology)	1-3	68
(b)(ii)	MDS by Course Work: Field of **Oral & Maxillofacial Pathology** + (a) Compulsory Modules		
MHAD190	Anatomy	1	20
MAPB190	Applied Physiology	1	20
MATC190	General Pathology	1	40
MMXJ190	Oral Biology	2	40
MMXK190	Oral Pathology	2	40
MMXA090	Mini Dissertation (in the field of Oral & Maxillofacial Pathology)	1-3	68

(b)(iii) MDS by Course Work: Field of **Maxillofacial & Oral Surgery** + (a) Compulsory Modules +			
MHAD190	Anatomy	1	20
MAPB190	Applied Physiology	1	20
MATC190	General Pathology	1	40
MMXK190	Oral Pathology	2	40
MMXA090	Mini Dissertation (in the field of Maxillofacial & Oral Surgery)	1-3	68
(b)(iv) MDS by Course Work: Field of **Oral Medicine and Periodontology** + (a) Compulsory Modules +			
MHAD190	Anatomy	1	20
MAPB190	Applied Physiology	1	20
MATC190	General Pathology	1	40
MMXJ190	Oral Biology	2	40
MPRA090	Mini Dissertation (in the field of Periodontology & Oral Medicine)	1-3	68
(b)(iv) MDS by Course Work: Field of **Prosthodontics** + (a) Compulsory Modules			
MHAD190	Anatomy	1	20
MAPB190	Applied Physiology	1	20
MMXJ190	Oral Biology	1-2	40
MMXG190	Oral Microbiology	1-2	40
MRDA090	Mini Dissertation (in the field of Prosthodontics)	2	68
(c)(v) MDS by Course Work: Field of **Orthodontics** + (a) Compulsory Modules			
MHAD190	Anatomy	1	20
MAPB190	Applied Physiology	1	20
MMXJ190	Oral Biology	2	40
MMXI190	Orthodontics	2	40
MMXA090	Mini Dissertation (in the field of Orthodontics)	1-3	68
(b)(vi) MDS by Course Work: Field of **Interceptive Orthodontics** + Compulsory Modules			
OBIO190	Oral Biology for Interceptive Orthodontics	1	20
OPIO190	Oral Pathology for Interceptive Orthodontics	1	20
INOR190	Interceptive Orthodontics	2	80
MMXA090	Mini Dissertation (in the field of Orthodontics)	1-3	68
(b)(vii) MDS by Course Work: Field of **Community Dentistry** + Compulsory Modules (One additional module to be elected to reach at least 212 credits)			
MPRA190	Epidemiology	1	40
MPRB190	Preventive Dentistry	1	40
MPRA090	Mini Dissertation (in the field of Community Dentistry)	1-3	68

(b)(viii) MDS by Course Work: Field of **Operative Dentistry** + (a) Compulsory Modules and (b) select **any 3** modules including the mini-dissertation to			
MHAD190	Anatomy	1	20
MAPB190	Applied Physiology	1	20
MMXJ190	Oral Biology	2	40
MMXK190	Oral Pathology	2	40
MRDA090	Mini Dissertation (in the field of Operative Dentistry)	1-3	68
Elect one of the following modules			
MRDA190	Endodontics	3	40
MPRB190	Preventive Dentistry	3	40
MRDC190	Paediatric Dentistry	3	40

7.13 MASTER OF DENTAL SCIENCE BY RESEARCH (MDSA01)

The duration of the course shall be a minimum of one year, full-time and a minimum of two years part-time, with a maximum of two years full-time and three years part-time. Thereafter a request for the extension of time on a yearly basis for a maximum of three years full-time and four years part-time to the Board of the School of Dentistry and Senate

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	MASTER OF DENTAL SCIENCES BY RESEARCH	**Qualification Code:**	MDSA01
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2020
Total SAQA Credits for Qualification:	212	**Is this a fixed Curriculum:**	NO

Module Code	Module	Offering Year	Credits
MDRM191	Research Methodology	1	8
BIOZ191	Biostatistics	1	8
	Applied Ethics and Medical Law	1	8
MMXB090	Dissertation (Maxillo Surg, Rad, Path, Orth)	1-3	188
MPRB090	Dissertation (Periodont, Oral Med, Comm Dent)	1-3	188
MRDB090	Dissertation (Restorative Dent)	1-3	188

7.14 MASTER OF SCIENCE IN DENTISTRY (MDT01)

A candidate for the degree of Master in Dental Science shall complete the research project in not less than two academic years full-time or three years part-time study. The maximum time shall be four years.

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	MASTER OF SCIENCE IN DENTISTRY	**Qualification Code:**	MDT01
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2020
Total SAQA Credits for Qualification:	204	**Is this a fixed Curriculum:**	Yes

Module Code	Module	Offering Period[2]	Possible major[3]
MDTA090	Dissertation (Dentistry)	Y	Y
MDRM191	Research Methodology	S1	N
MEML192	Applied Ethics and Medical Law	Y	N
BIOZ191	Biostatistics	Y	N

7.15 PhD DEGREE PROGRAMME (DHMA02)

CURRICULUM INFORMATION			
School:	DENTISTRY		
Qualification Name:	DOCTOR OF PHILOSOPHY	**Qualification Code:**	DHMA02
Campus:	SEFAKO MAKGATHO HEALTH SC UNIVERSITY	**Last Revision date:**	2015
Total SAQA Credits for Qualification:	360	**Is this a fixed Curriculum:**	No

Module Code	Module	Offering Period[2]	Possible major[3]
MMXA100	Thesis (Maxillofacial and Oral Surgery)	Y	Y
MMXB100	Thesis (Oral Pathology)	Y	Y
MDBA100	Thesis (Community Dentistry)	Y	Y
MMXC100	Thesis (Orthodontics)	Y	Y
MSPA100	Thesis (Periodontology & Oral Medicine)	Y	Y
MPRA100	Thesis (Prosthodontics)	Y	Y

8 PROFESSIONAL BODY REQUIREMENTS

8.1 STUDENT REGISTRATION WITH THE HPCSA FOR BACHELOR DEGREES

All BDS, B Dent Ther and B Oral Hygiene students admitted to The Sefako Makgatho Health Sciences University for the **first time** must register with the Health Professions Council of South Africa **before** 31 March of the year of their first registration.

The following are required for registration:

(i) Birth or Baptismal Certificate;
(ii) Matriculation/Matriculation Exemption Certificate;
(iii) Certificate of having passed an assessment in Mathematics at the required level (where applicable);
(iv) Certificate of having commenced professional studies at the Sefako Makgatho Health Sciences University (supplied by the University);
(v) A registration fee as determined by the HPCSA.

8.2 STUDENT REGISTRATION WITH THE HPCSA FOR M DENT DEGREES

All M Dent students admitted to Sefako Makgatho Health Sciences University must register within February annually with the Health Professions Council of South Africa as prescribed by HPCSA.

9 MODULAR INFORMATION

BACHELOR DEGREE PROGRAMMES

MODULAR INFORMATION									
Department: ORAL & MAXILLOFACIAL PATHOLOGY				**School:** SCHOOL OF DENTISTRY					
Last Revision date: 2020				**First Year Offered (New):** 2015					
Replace this Module existing module(s)? NO				**If YES, give the module codes:**					
Module linked to Qualification/s:	BDS01								
Module Code: (4 alphabetic & 3 numeric)	MAPB030								
Module Name:	ANATOMICAL & CHEMICAL PATHOLOGY								
Content:	**Content Module 1: Anatomical Pathology** General pathology and systematic pathology; macroscopic practicals; microscopic practicals; autopsy demonstrations **Content Module 2: Chemical Pathology** This Module deals with aspects of Chemical Pathology pertaining to the Dental profession. The course consists of 4 Modules: Introduction to Chemical Pathology, Metabolic Derangements, Mineral Metabolism, Malignant Disease.								
Learning Outcomes	Student should know the general pathological conditions affecting the practice of dentistry								
Module Information:	**SAQA Credits**			**ITS Course Level Code**			**CESM Code (3rd Order)**		
	12			3			090304		
Delivery Information:	**Campus**			**Full/Part Time**			**Period (Year/1st/2ndSem)**		
	SMU			FT			Y		
Periods per week: 36 Weeks	**Classes**			**Practicals**		**Tutorial**	**Seminars**		**Independent Learning**
	4x40 min 1st sem) 2 x 40 min (2nd sem)					1 x 40 min			
Pre-requisite modules for this module:									
Co-requisites modules for module:	0								
Assessment Criteria	Students must demonstrate that they know and understand all the learning outcomes. General pathology and systematic pathology; macroscopic practicals; microscopic practicals; autopsy demonstrations								
Assessment Methods	Five written tests, one oral An examination: 3 hour written paper One and half hour practical Written paper, Oral, Practical								
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)						40%		
	Final	% Formative Assessment Mark					60%		

	mark =	% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Theory			
	Duration	3 hour			
	% of Exam Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION						
Department: ANATOMY					**School:** MEDICINE	
Last Revision date: 2018			**First Year Offered (New):** 2019			
Replace this Module existing module(s)?			**If YES, give the module codes:**			
Module linked to Qualification/s:	BOH02	BDT02				

Module Code: (4 alphabetic & 3 numeric)	MANB111				
Module Name:	ANATOMY				
Content:	Introduction to anatomy and anatomical terminology, introduction to bones and joints, osteology of the skull, facial muscles, muscles of mastication, temporo-mandibular joint, oral cavity, the tongue, the palate, gingivae, nasal cavity and paranasal sinuses, blood supply of the head, lymphatic drainage of the head, brain and cranial nerves, the thorax organs and blood supply				
Learning Outcomes	Students will: • Know and classify different bones and joints of the skull and thorax • Understand various groups of muscles in and around oral region • Understand the blood supply of the head, neck and thorax • Understand the nerve supply of the head, neck and thorax • Understand the lymphatic drainage of the head and neck • Understand the basic anatomy of the brain • Understand the cranial nerves and those supplying the oral region • Understand the basic structure and arrangement of the contents of the thoracic cavity				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	8		3		130402
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		S1
Periods per week: (First semester)	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	4 x 40 mins	1 x 2 hrs	None	None	None
Pre-requisite modules for this module:	None				
Co-requisites modules for module:	None				
Assessment Criteria	Students will: • Identify bones, joints, cavities, muscles, arteries, veins, nerves and				

	anatomical landmarks in the head, neck and thorax • Classify and differentiate joints in the head • Explain lymphatic drainage, nerve and blood supply to various regions of the head, neck and thorax • Name and describe territorial supply of the branches of the cranial nerves • Identify relevant structures on the contents of the thoracic cavity
Assessment Methods	Three accumulative main tests composed of a theory test and a practical (spotter) test each are used to calculate the formative mark

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	Practical		
	Duration	3 Hours	1.5 hours		
	% of Exam Mark	60%	40%		
	Sub minimum	40%	40%		

MODULAR INFORMATION						
Department: ANATOMY			**School:** MEDICINE			
Last Revision date: 2020			**First Year Offered (New)**: 2015			
Replace this Module existing module(s)? NO			**If YES, give the module code**			
Module linked to Qualification/s	BDS01					

Module Code: (4 alphabetic & 3 numeric	MANA020
Module Name:	APPLIED ANATOMY
Content:	Introduction to Anatomy (gross, histology and embryology). The Thorax The Axilla, arm and forearm The Brain The Neck The Head The Abdomen Development of head and neck region, GIT and the heart Cytology and microstructure of the module content including basic tissues (epitheli muscle, connective and nervous)
Learning Outcomes	**<u>Introduction to Anatomy</u>** Students must be able to describe the anatomical terminology, explain the anatomic basis of human function and functional morphology of body structures. **Head and neck** Student must be able to identify and describe in details the gross and histologic structures of the oral and peri-oral region, as well as the anatomical basis of a developmental deformity. Students must be able to explain the functional localisation of brain and Identi describe the origin / formation, composition, course and distribution of the cran nerves. **The axilla and thorax**

	Student must be able to relate the cervical fascia with the structure of the thorax a roles played in spread of infections. Student must be able to identify gross and histological structures in the thorax, th relationships and associated developmental anomalies. **The abdomen** Student must be able to have an overview of the anatomy of the abdomen and structures. Embryological development of GIT the structures and related anomalies.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	32		3		130402
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem**
	SMU		FT		Y
Periods per week: 36 weeks	**Lectures/ practicals**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learni**
	12x40 min		1	None	2
Pre-requisite modules for this module					
Co-requisites modules for module:	0				
Assessment Criteria	Students is able to demonstrate an in-depth knowledge of the development of t head and neck region, identify and describe in details; gross and histologi structures of the head and neck region. The anatomical relationship of the structur of head and neck. Detailed knowledge of the functional localisation of the brain a distribution of cranial nerves. Be able to visualise and differentiate microsco structures of the head region. Student must be able to differentiate and identify (gross and microscopic) t structures found in the thorax. Students must have a basic overview and be able to answer basic anato questions on the structures of the abdomen				
Assessment Methods	Quizzes: one per dissected region of the body X6 Formative Tests: one per block (written and practical) X4				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Practical (Gross anatomy and histology)		
	Duration	3 hours	2 hours		
	% of Exam Mark	37.5	62.5		
	Sub minimum	40%	40%		

MODULAR INFORMATION			
Department:	ORAL & MAXILLOFACIAL PATHOLOGY	**School:**	DENTISTRY
Last Revision date:	2018	**First Year Offered (New):**	2019

Replace this Module existing module(s)?		NO	**If YES, give the module codes:**				
Module linked to Qualification/s:	BDT02	BOH02					

Module Code: (4 alphabetic & 3 numeric)	MAOR 020					
Module Name:	APPLIED ORAL PATHOLOGY					
Content:	Basic principles of pathology (Cell injury and death, cell adaptation and intracellular accumulation, inflammation, tissue repair, wound healing, hemodynamic disorders, neoplasia), pathology and radiology of abnormalities of the dentition (developmental disturbances in tooth size, tooth form, tooth numbers, tooth structure and tooth eruption; Regressive tooth changes, dental caries and periapical diseases), diseases of bone (osteomyelitis, developmental bone conditions, neoplastic bone diseases, fibro-osseous lesions) and pathology and radiology of odontogenic neoplasms and cysts (odontogenic and non-odontogenic cysts of the head and neck and odontogenic neoplasms).					
Learning Outcomes:	After completion of the module students should know definitions, etiologies, pathogenesis, clinical and radiological features, clinical implications and complications related to pathologies covered under the following: 1. Basic principles of pathology, 2. Pathology and radiology of abnormalities of the dentition 3. Diseases of bone pathology and radiology of odontogenic neoplasms and cysts. The student should also be able to classify and diagnose the diseases.					
Module Information:	**SAQA Credits**		**ITS Course Level**		**CESM Code (3rd Order)**	
	4 (2020)/8 (2021)		3		090304	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**	
	SMU		**Full-time**		YEAR	
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
	2 X40 MIN	NONE	NONE	NONE	NONE	
Pre-requisite modules for this module:	MORB010, MANB011,MPHL010					
Co-requisites modules for module:						
Assessment criteria	The students must know definitions, etiologies, pathogenesis, clinical and radiological features, clinical implications and complications related to pathologies covered under the following: 1. Basic principles of pathology, 2. Pathology and radiology of abnormalities of the dentition 3. Diseases of bone pathology and radiology of odontogenic neoplasms and cysts. The student should also be able to classify and diagnose the diseases					
Assessment method						
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%			
	Final mark	% Formative Assessment Mark	60%			
		% Summative Assessment Mark	40%			
	Minimum final mark to pass (%)		50%			

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory/practical	Theory			
	Duration	2 hours			
	% contribution to Summative Assessment Mark	100			
	Sub minimum	40			

MODULAR INFORMATION							
Department: Pharmacology (8461)				**School:**		Medicine	
Last Revision date:	2018			**First Year Offered (New):**		2019	
Replace this Module existing module(s)?	No			**If YES, give the module codes:**			
Module linked to Qualification/s:				BDT02	BOH02		
Module Code: (4 alphabetic & 3 numeric)	MPHA020						
Module Name:	APPLIED PHARMACOLOGY						
Content:	Pharmacokinetics, Pharmacodynamics, Solutions and concentrations Medicines and the Peripheral and Central Nervous System Anaesthetics, analgesics and anti-inflammatory medicines Chemotherapeutic drugs; Minerals and Vitamins, Cardiovascular, Respiratory, Gastrointestinal and Endocrine systems' medicines as well as Legislation and Prescription writing						
Learning Outcomes	The student will be able to : • Demonstrate critical thinking and understanding regarding solutions and concentrations, Pharmacokinetics, Pharmacodynamics, Medicines and the Peripheral Nervous system, Anaesthetics, analgesics and anti-inflammatory medicines, Chemotherapeutic drugs, Minerals and Vitamins, Cardiovascular, Respiratory, Gastrointestinal and Endocrine systems' medicines as well as Legislation and Prescription writing, Predict and monitor the side-effects of common drugs and identify adverse effects of drug reactions • Integrate the principles and practice of rational drug use and appreciate the importance of life-long learning regarding drug development and treatment Guidelines						
Module Information:	**SAQA Credits**		**ITS Course Level**		**CESM Code (3rd Order) (Six Numbers)**		
	12		2		130901		
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**		
	SMU		Contact – Fulltime		Y		
Periods per week: 36	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**		
	2x40 min	0	1x40 min	0	1		
Pre-requisite modules for this module:							
Co-requisites modules for module:	None						
Assessment Criteria	• Demonstrate critical thinking and understanding regarding solutions and						

	concentrations, Pharmacokinetics, Pharmacodynamics • Demonstrate knowledge of chemotherapeutic drugs, Minerals and Vitamins, Cardiovascular, Respiratory, Gastrointestinal and Endocrine systems' medicines as well as Legislation and Prescription writing • Predict and monitor the side-effects of common drugs and identify adverse effects of drug reactions. • Integrate the principles and practices of rational drug use.
Assessment Methods	• Formative assessment methods include case assignments and tests. • Written examination paper.

Minimum Form Assessment Mark for exam admission (%)		40%
Final mark	% Formative Assessment Mark	60%
	% Summative Assessment Mark	40%
Minimum final mark to pass (%)		50%

	Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Theory / Practical	Theory	N/A	N/A	N/A
Duration	2 hrs	N/A	N/A	N/A
% contribution to Summative Assessment Mark	100%	N/A	N/A	N/A
Sub minimum	40%	N/A	N/A	N/A

MODULAR INFORMATION						
Department: Psychiatry, Clinical Psychology, Psychology				**School:** MEDICINE		
Last Revision date: 2020			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS	BDT	BOH			

Module Code: (4 alphabetic & 3 numeric)	MBEH010				
Module Name:	BEHAVIOURAL SCIENCES				
Content:	Foundations and Learning Theories; Developmental Psychology; Psychophysiology; Personality, Emotions and Motivation; Cognitive Processes; Introduction to Research; Social Psychology; Interpersonal skills.				
Learning Outcomes	Students must have an understanding of mental processes and behavior which form the basis for comprehensively treating most of the commonly occurring psychological problems that present in a Primary Health Care setting in South Africa.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	16		3		180101
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		Y
Periods per week: 33	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	4x40 min	None	None	None	None

Pre-requisite modules for this module:	0
Co-requisites modules for module:	0
Assessment Criteria	Students must be able to name, describe, explain, apply, compare, and differentiate all the knowledge gathered in psychology I and link theories in their specific discipline and their studies. Students must be able to apply a basic understanding of human development; personality; emotion; motivation and stress; and cognitive processes. Students must be able to explain the link between mind and body interaction. Students must be able to explain the role of social interaction and apply it to their specific field. Students must be able to describe and explain the basic principles of interpersonal skills and be able to apply it to their specific field.
Assessment Methods	Assessment will comply in all respects with the University of Limpopo Assessment Policy and the NQF guidelines for validity, reliability, fairness and practicability. Comprehensive, formative (includes group and individual assignments, and tests) and summative (examination) assessment will be used. Practical work seminars, as well as the presentation of specific allocated case studies relevant to the thrust of the degree will also be used.

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	50%			
	Sub minimum	40%			

MODULAR INFORMATION						
Department: BIOLOGICAL SCIENCES (8521)			**School:** SCIENCE AND TECHNOLOGY			
Last Revision date: 2020			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MBLC010
Module Name:	BIOLOGY I
Content:	**Content:** An introduction to biology with the emphasis on the fundamental concepts of Biology; ecological concepts and the impact of pollution on the biosphere; the chemistry of life, the structure and functions of the prokaryotic and eukaryotic cell and cell division (mitoses & meiosis); Mendelian principles; the biosphere and the origin of life, movement of tectonic plates and the mechanisms of evolution; the taxonomic hierarchy, the general characteristics of the seven kingdoms, classes of the Kingdoms Plantae, Protista and Animalia, and orders of the Classes Insecta and Mammalia; the male & female reproductive system, gematogenesis and the developmental biology of different

<table>
<tr><td></td><td colspan="5">organisms with emphasis on early human development; the recognition and description of animal epithelial -, connective -, adipose – cartilaginous -, bone -, nervous -, muscle -, blood – and lymphatic tissues types.
Module 1. Environmental Health: Introduction to ecological concepts, biomes of the world, mineral and energy cycles, pollution, destruction of the environment, measurements of ecosystem health, alien plants and animal invasion, traditional healer and the ecology, arthropod pests and insecticide poisoning, impact of rodent and arthropod pests on man, man-made disasters, ozone depletion and the greenhouse effect.
Module 2. Cell Biology: Chemistry of life, cell structure and function, cell division mitosis, meiosis
Module 3. Genetics: Principles of Genetics, Mendelian patterns of inheritance, forms of dominance,traits, multiple alleles,genes that add up, mutations, the human genome, applied genetics
Module 4. Evolution: Historical background, origin of earth and life, evidence for macroevolution
Module 5. Taxonomy and Systematics: Binomial nomenclature system; the seven kingdoms; Plants; Protista; Porifera, Cnidaria, Platyhelminthes, Nematoda, Mollusca, Annelida, Arthropoda, Echinodermata and Chordata.
Module 6. Embryology: Reproductive system (male and female), gametogenesis, ultrastructure of the gametes; fertilization; cleavage, gastrulation, the development of Branchiostoma, the early development of the avian embryo and the extra-embryonic membranes, the early development of the human embryo to the formation of the tri-laminar disc.
Module 7. Tissues: Epithelial tissue; Connective tissue; Muscle tissue; Nervous Tissue.
Detailed information on modules, units and assessment criteria and set out in the Teaching Programme</td></tr>
<tr><td>Learning Outcomes</td><td colspan="5">• The student would have obtained adequate knowledge at a pre-clinical level with regard to evolution, cytology, genetics, environmental health, taxonomy, embryology, tissues.
• The student must be able to demonstrate skills in the use of the light microscope to identify microorganisms, make drawings and do dissections
• The student should demonstrate appreciation of man's responsibility to preserve life and the environment and to obtain high levels of work ethics & scientific thinking.</td></tr>
<tr><td rowspan="2">Module Information:</td><td colspan="2">SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td>CESM Code (3rd Order)</td></tr>
<tr><td colspan="2">16</td><td colspan="2">3</td><td>130101</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">FT</td><td>Y</td></tr>
<tr><td rowspan="2">Periods per week: = 33 weeks</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>2.5x40 min</td><td>1x2hrs</td><td>None</td><td>None</td><td>None</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5">0</td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5">0</td></tr>
<tr><td>Assessment Criteria</td><td colspan="5">At the end of the module, the student will:
• Know and identify the different types of cells and tissues.
• Know the most important organisms and their classification.
• Know the basis of genetics, embryology and environmental health.
• Be able to use a light microscope.
• Know how to draw and label practical material.
• Know man's responsibility to preserve life and the environment.</td></tr>
</table>

Assessment Methods	• Assessment will comply in all respects with the University of Limpopo Assessment Policy and the NQF guidelines for validity, reliability, fairness and practicability/feasibility. • Formative assessment methods include observation methods, oral questions, practical exercises and demonstrations, self-assessment and peer reviews as well as tests. Not all formative assessments are scored, but feedback is provided. Scored formative assessments contribute 60% towards the final mark. • Summative assessment methods include an end of year written examination paper. Summative assessment contributes 40% towards the final mark.

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory			
	Duration	2 hours			
	% of Exam Mark	100			
	Sub minimum	40%			

MODULAR INFORMATION						
Department: PHYSICS (8468)				**School:** MEDICINE		
Last Revision date: 2020			**First Year Offered (New):** 2013			
Replace this Module existing module(s)? No			**If YES, give the module code:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MBPC010
Module Name:	BIOPHYSICS I
Content:	**Module 1: Mechanics:** Vectors; Newton's first law. Newton's second law; Newton's third law; significance of Newton's laws, Torques; Lever and Mechanical advantage; Levers in the body; Center of gravity; Linear and angular momentum; Work, energy and power; Elastic and inelastic collision; Simple harmonic motion; Circular motions. **Module 2: Heat, properties of matter and fluid**: Temperature and pressure; Ideal gas laws and gas mixtures; First law of Thermodynamics; Mechanics of non-viscous fluids, Bernoulli's equation and its application; Viscous fluid flow; Surface tension and capillarity; Laplace's law; The role of surfactants in the lungs; Heat transfer mechanisms; Elastic and Thermal properties of matter. **Module 3: Electricity and Magnetism:** Electric forces; Electric field; The electrical potential; Capacitance, electric current ant resistance; Electrical safety; The structure of nerve cells; The resistance and capacitance of an axon; Ionic concentrations and resting potential; Magnetic fields; Faraday's law. **Module 4: Waves and Optics:** The representation of waves; The Doppler effect; The nature and speed of sound; Auditory response, Ultrasound, Refraction of light; Total internal reflection; Lenses and mirrors; Image formation; The power of a lens/mirror; Human eye; Optical defects of the eye. **Module 5: Radiation Physics:** Properties of a photon; X-rays; The photoelectric effect and the Compton effect; Radioactivity; Half-life; Nuclear masses and

	binding energies; Nuclear forces, Radioactive decays; Interaction of Radiation with matter; Radiation units; Harmful effects of radiation; Chronic radiation exposure; Radiation in Medicine; Other uses of radiation. **Module 6: Introduction to Health Information:** Computer fundamentals; History computing; Types of computers; Level of a computer; Medical applications; Definitions of statistics; Presentation of data; Correlation and regression.
Learning Outcomes	To demonstrate improved analytical and numerical skills through problem solving using models analogous to real life situations. To apply the fundamentals laws of physics to anatomical and physiological functions of the human body. To explain the principles of functioning of equipment used in physical quantity measurement and display, including the use of computer technology.

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	16	3	140701

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week: = 33 weeks	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learni**
	3X40 MIN	1X2hr	1		

Pre-requisite modules for this module	0
Co-requisites modules for module:	0
Assessment Criteria	Able to carry out basic mathematical manipulations in which the effects on physical quantities within a system are demonstrated. Show diagrammatically and discuss your approach to solving problems that are analogous to real life situations. Demonstrate your scientific knowledge and skills when conducting practical work. Demonstrate the ability to ensure a safe working environment.
Assessment Methods	Formal written tests; practical work; tutorials; summative assessment

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION			
Department:	CHEMISTRY (7410)	**School:**	SCIENCE AND TECHNOLOGY
Last Revision date:	2020	**First Year Offered (New):**	2015
Replace this Module existing module(s)?	NA	**If YES, give the module code**	**N/A**

Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MCHM010
Module Name:	CHEMISTRY 1A
Content:	Unit 1 Measurements Unit 2 Atoms and elements Unit 3 Periodic table and periodicity Unit 4 Compounds and chemical bonding Unit 5 Chemical quantities and reactions Unit 6 Chemical equilibrium Unit 7 Physical behaviour of matter Unit 8 Electrochemistry Unit 9 Acids and Bases Unit 10 Nuclear radiation Unit 11 Introduction to organic chemistry Unit 12 Unsaturated Hydrocarbons Unit 13 Oxygen-containing organic compounds Unit 14 Carboxylic acids, esters, amines and amides Unit 15 Carbohydrates, lipids, amino acids and proteins
Learning Outcomes	The students should be able to: 1. demonstrate knowledge of basic chemistry and its links to health and environmental issues 2. Apply the principles, concepts and facts of chemistry to solve chemical problems 3. Identify, name and analyse different inorganic and organic compounds including physiologically important ones 4. Perform measurements related to Ph, concentration, volume, mass, density, length, time, temperature, pressure etc. 5. Master the art of handling chemicals and basic laboratory equipment

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	20	3	140401

Delivery Information:	**Campus**	**Full Time/Part Time**	**Year**
	SMU	full time	Year

Periods per week: 33 weeks	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	3	1x1hr alt week	1x3hr alt week	0	1

Pre-requisite modules for this module:	0
Co-requisites modules for module:	0
Assessment Criteria	**Student will be able to:** • Demonstrate knowledge of basic chemistry and its links to health and environmental issues • Apply the principles, concepts and facts of chemistry to solve chemical problems • Identify, name and analyse different inorganic and organic compounds including physiologically important ones • Perform measurements related to pH, concentration, volume, mass, density, length, time, temperature, pressure etc. • Master the art of handling chemicals and basic laboratory equipment
Assessment Methods	• Assessment will be by way of formative assessment comprising tests, tutorials, quizzes, and practicals and summative assessment comprising one written examination papers which cover topics 1-15. • Test 1: Units 1 – 5 , 25% of Test average

	• Test 2: Units 6 – 10 , 25% of Test average • Test 3: Units 11- 12 , 25% of Test average • Test 4: Units 13 – 15 , 25% of Test average • Standard examination: Paper 1: Units 1 – 15 • Re-examination: Paper 1: Units 1 – 15 • Laboratory assessment: Laboratory reports (25%)

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory			
	Duration	3 Hours			
	% contribution to Summat Assessment Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION						
Department: Mathematical and Physical Sciences			**School:** Science and Technology			
Last Revision date: 2018			**First Year Offered (New):** 2019			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDT02	BOH02				

Module Code: (4 alphabetic & 3 numeric)	MCHY010 (new curriculum)
Module Name:	CHEMISTRY IB
Module Content:	Properties of matter, changes of state, energy and the composition of matter. Structure of matter: The atom, fundamental particles, structure of the atom and the periodic chart. Chemical bonding: Molecules, electrovalent bonds and covalent bonds; Chemical equations: Symbols and formulae, types of chemical reactions and reaction rates. Oxidation/reduction. Water: Properties, purification and hardness. Liquid mixtures: Solutions, suspensions, colloids and emulsions. Acids, bases and salts, ionization and pH. Oxygen oxides, hydrogen, halogens, nitrogen, carbon and metals. Hydrocarbons, alcohols, phenols, aldehydes, ketones, acids (fatty acids, salicylic acid and lactic acid) and antibiotics. Esters, ethers and amines. Carbohydrates: Monosaccharide's, disaccharides and polysaccharides. Lipids and proteins.
Learning Outcomes:	• Recognize the variable composition of matter and energy and its ability to change • Associate the sub-microscopic structure of matter with its physical and chemical behavior • Understand the forces of cohesion in compounds • Apply chemical shorthand to represent reactions an identify reaction types • Understand the extraordinary properties of water and the diversity of aqueous mixtures • Identify acidic properties of aqueous solutions and the use of the pH scale • Recognize important groups of inorganic compounds

	• Identify the major organic compound groups with emphasis on the more biological entities • Associate natural molecules such as monosaccharide's, disaccharides, polysaccharides proteins and lipids to fundamental life functions					
Module Information: 18 weeks	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order**	
	16		03		140401	
Delivery Information:	**Campus**		**Full/Part Time**		**Period**	
	SMU		Full Time		S 1	
Periods per Week:	**Classes**	**Practical**	**Tutorial**	**Seminars**	**Independent Learning**	
	7x40 min	1x1hr				
Pre-requisite modules for this module:	None					
Co-requisites modules for module:	None					
Assessment Criteria:	Describe, explain and apply in a logical manner the principles, concepts and facts related to matter, atomic structure, periodic chart, chemical bonding, chemical equations/reactions and reaction rates, water properties, Acid-base behavior, organic chemistry as well as lipids and proteins.					
Assessment Methods:	A combination of formative assessment (tests, practical reports/test, quizzes) and summative assessment (3 hour written examination).					
Assessment Weighting:	Min Formative Assessment mark for exam admission (%)				40	
	Final mark =	% Formative Assess Mark			60	
		% Summative Assess Mark			40	
	Min Final Assessment mark to pass (%)				50	
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**	
	Theory / Practical	Theory				
	Duration	3 h				
	% contribution to Summative Assessment Mark	100%				
	Sub minimum	40				

MODULAR INFORMATION						
Department: INTEGRATED CLINICAL DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2023			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	**MCDA050**					
Module Name:	**COMPREHENSIVE CLINICAL CASES**					

<table>
<tr><td>Content:</td><td>Roles of Oral Health Care Practitioner according to the HPCSA Core Competency Framework incl:
Comprehensive management and care of patients.
Ethical principles and considerations in the management of a patient
The importance of keeping well-documented, accurate, effective, timely clinical records
The Scope of Practice of a dentist and Inter-professional Collaborative Practice
Clinical Case Presentation skills - clinical reasoning skills, application of communication tools and skills
Portfolio Design</td></tr>
<tr><td>Learning Outcomes</td><td>At the end of this module the students will be able to:
Perform Oral Health Care Practitioner Roles as set out in the HPCSA Core Competency Framework
Formulate a comprehensive dental treatment plans and care for patients according to the rules and regulations of the HPCSA
Analyse and discuss the ethical implications of each treatment plan, and obtain informed consent from the patient
Compile a PowerPoint case presentation that can be followed by the audience, teach the audience about the case, respond to questions with good clinical reasoning skills and write a reflection report highlighting insight gained through case presentation
Compile a portfolio of learning that showcases record of tasks performed by the student and his/her accomplishments over a period of time</td></tr>
<tr><td rowspan="2">Module Information:</td><td>SAQA Credits</td><td>ITS Course Level Code</td><td>CESM Code (3rd Order)</td></tr>
<tr><td>140</td><td>4</td><td>090302</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td>Campus</td><td>Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr>
<tr><td>SMU</td><td>Full Time</td><td>Year</td></tr>
<tr><td rowspan="2">Academic weeks : 40
Periods per week:</td><td>Classes</td><td>Clinicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>5</td><td>26</td><td>0</td><td>5</td><td>Y</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="4">All pre-final year modules (level 1-level 4 of BDS Programme))</td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="4">All 5TH Year Modules (SELE050, MELA050 & MRDA050</td></tr>
<tr><td>Assessment Criteria</td><td colspan="4">For a comprehensive clinical case to be considered, the assessment of the treatment must have been rated as “competent or professional” and must have been completed without the assistance of a clinical teacher
perform a comprehensive clinical examination of the patient, formulate comprehensive diagnosis, appropriate treatment plan and manage the patient by completing all the clinical procedures stated under the treatment plan chosen by the patient and follow-up the treatment provided
prepare a portfolio that provides adequate evidence of development and achievement of the requirements and outcomes of this module
demonstrate good communication skills during case presentation by communicating effectively using visual/language skills in the modes of oral and written presentation report</td></tr>
<tr><td>Assessment Methods</td><td colspan="4">Assessments methods in Formative assessments- Quizzes, Clinical chairside case presentation, clinical observations by clinical teachers,quizzes,

Assessment Methods in Continuous assessments
In classroom: Oral Clinical Case presentations and reflections (5)</td></tr>
</table>

	• ***Case-based written assessment*** (*SAQ*, Modified Essay Questions, Extended matching items, MCQ, etc) and ***OSCE*** • ***Portfolio*** (showcasing record of student's performance and achievements over a period of time: all cases treated in the clinical area, cases presented in class, reflections thereof, ***reflections*** of all final year modules: Electives, Service Learning, and Problem based Cases, Reflections of learning at Phelophepa trains, Careline Emergency clinic, Inter-professional collaboration learning, achievements/certificates/awards) • ***Logbook*** (providing an image of tasks/clinical procedures accomplished by the student and the ratings of competence agreed upon by student and the clinical teacher **Assessment methods in Summative assessment** Flagship- case presentation (assessed by a panel of approved internal and external assessors) Case based written theory (short answer questions, short essays, modified essay questions, MCQ, Extended matching items etc) Oral examination- as supplementary assessment- conducted by internal assessors and external moderator

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		50%
	Final mark =	% Year Mark	60%
		% Summative (examination) Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		One combined mark for all three papers			Paper 4
		Paper 1	**Paper 2**	**Paper 3**	
Summative Assessment Paper:	Theory / Practical	Theory	Clinical/OSCE	Clinical-Flagship	
	Duration	3 hours	1hour	15 min	
	% of Exam Mark	70%	20%	10%	
	Sub minimum	40%	50%	40%	

MODULAR INFORMATION							
Department:	Community Dentistry			**School:**	DENTISTRY		
Last Revision date:	2019		**First Year Offered (New):**	2020			
Replace this Module existing module(s)?	**No**		**If YES, give the module codes:**				
Module linked to Qualification/s:	BOH02	BDT02					
Migration Strategy:	(If YES, Section G must also be completed)						
Module Code: (4 alphabetic & 3 numeric)	MDEA010 (from 2020 – new curriculum)						
Module Name:	Dental Public Health						
Content:	**Unit 1: Introduction to Dental Public Health**: To understand Philosophy, terminology, definitions and principles of dental public health; Philosophy, terminology, definitions and principles of epidemiology and epidemiological indices; Concepts of health and disease. Natural history of diseases/Levels and Phases of prevention **Unit 2: Oral health promotion:** Philosophy, terminology, definitions and principles of health promotion; Approaches to health promotion; Health promotion charters; Health promotion initiatives in South Africa; A planning cycle for oral health education; The role of						

	communication in oral health education. **Unit 3: Public health aspects of dental caries:** Indices to measure dental caries; Epidemiology of dental caries; High risk and population strategies in managing dental caries; A food policy in relation to etiology of dental caries, role of sucrose, substitutes, dietary analysis and counselling; Fissure sealant programs; Tooth brushing, oral mouth rinse and fluoride tablet/drops programs; Water fluoridation; Alternative fluoridation measures to water fluoridation; Principles and effectiveness of ART and ART as a public health measure. **Unit 4: Public health aspects of periodontal diseases:** Indices to measure oral cleanliness and periodontal diseases; Epidemiology of periodontal diseases; Community-based prevention of periodontal diseases. **Unit 5: Public health aspects of dental fluorosis:** Indices to measure dental fluorosis; Epidemiology of dental fluorosis; Risk factors for the development of dental fluorosis.

Learning Outcomes:	• **Introduction to Dental Public Health**
	  • To explain the philosophy, terminology, definitions and principles of Dental Public Health and how this differs from the private sector
	  • Explain the role of epidemiology and epidemiological indices in Dental Public Health Understand multiple causation of diseases.
	  • Explain the concepts of health and disease, determinants of health as well as the principles of prevention and how these are applied to dentistry.To understand Concepts of health and disease. Natural history of diseases/Levels and Phases of prevention. Understand the phases of prevention of disease.
	• **Define epidemiology**
	  • Understand the principles of epidemiology and the purpose for which epidemiological investigations are carried out.
	  • Understand multiple causation of disease
	• **Health promotion**
	  • Recall the terminology used in health promotion, Understand the principles and philosophy of health promotion.
	  • Understand the range, strengths and limitations of different approaches to health promotion.
	  • Differentiate between a mix of approaches that may be appropriate to health promotion
	  • Differentiate between a mixes of approaches that may be appropriate to health promotion.
	  • Understand the purpose and content of the health promotion charters.
	  • Use the content of the charters as guidelines for health promotion
	  • Understand the rich history of health promotion and the development of progressive health organisations in South Africa.
	  • Analyse what is happening in the era of change in South Africa regarding health promotion.
	• **Illustrate your understanding of epidemiological terms and indices**
	  • Understand the indices used to measure dental caries
	  • Understand factors that contribute to the incidence and prevalence of dental caries.
	  • Illustrate how these factors (individually and or jointly) contribute to the incidence and prevalence of dental caries.
	  • Understand the objectives set for caries prevalence by the WHO and South Africa
	  • Judge an epidemiological article on dental caries
	• **Understand the implication of prevalence of dental caries on high risk and population strategies**
	  • Understand the implications of caries prevalence for professionals.
	  • Understand the high risk and population approaches in the management of dental caries.
	  • Understand the implications of both strategies for the prevention of dental caries
	• ***A food/sugar policy in relation to aetiology of dental caries***
	  • Explain the elements and contents of a food/sugar policy
	  • Understand the relation of a food/sugar policy to dental caries
	• **Public health aspects of periodontal disease**
	  • Understand factors that contribute to the incidence and prevalence of oral cleanliness and periodontal diseases.

<table>
<tr><td></td><td colspan="5">

Illustrate how these factors (individually and or jointly) contribute to the incidence and prevalence of oral cleanliness and periodontal diseases.
Judge an epidemiological article on periodontal diseases.
Understand periodontal disease as a public health problem.
Understand strategies for improving community periodontal health

Public health aspects of dental fluorosis,

Understand factors that contribute to the incidence and prevalence of dental fluorosis.
Illustrate how these factors (individually and or jointly) contribute to the incidence and prevalence of dental fluorosis.
Critique an epidemiological article on dental fluorosis
Understand dental fluorosis as a public health problem
Understand the risk factors for developing dental fluorosis

</td></tr>
<tr><td rowspan="2">Module Information:</td><td colspan="2">SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</td><td>ITS Course Level</td><td colspan="2">CESM Code (3rd Order) (Six Numbers)</td></tr>
<tr><td colspan="2">8</td><td>3</td><td colspan="2">090305</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td>Full/Part Time</td><td colspan="2">Period (Year/1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td>FT</td><td colspan="2">Y</td></tr>
<tr><td rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>1</td><td>None</td><td>None</td><td>None</td><td>None</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5">None</td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td>Assessment criteria</td><td colspan="5">At the end of the module the student will:

Demonstrate detailed knowledge, understanding and application of the principles of Dental Public Health and Health Promotion.
Demonstrate detailed knowledge and understanding in the application of the principles of Epidemiology.
Demonstrate detailed knowledge and understanding in the application of the principles of epidemiological terms and indices of dental caries
Explain the economic implications and reasons for the trends of dental caries in developed and developing countries
Describe the role of dental professionals in the management and prevention of dental caries
Identify and explain factors that contribute to the incidence and prevalence of oral cleanliness and periodontal diseases.
Illustrate and apply knowledge and understanding of factors, how they (individually and or jointly) contribute to the incidence and prevalence of oral cleanliness and periodontal diseases.
Identify and explain factors that contribute to the incidence and prevalence of dental fluorosis.
Illustrate and apply knowledge and understanding of factors, how they (individually and or jointly) contribute to the incidence and prevalence dental fluorosis.
</td></tr>
<tr><td>Assessment method</td><td colspan="5">Tests, Orals, Assignments and Presentations</td></tr>
<tr><td rowspan="4">Mark Structure:</td><td colspan="2">Minimum Form Assessment Mark for exam admission (%)</td><td colspan="3"></td></tr>
<tr><td rowspan="2">40%</td><td>% Formative Assessment Mark</td><td colspan="3">100%</td></tr>
<tr><td>% Summative Assessment Mark</td><td colspan="3"></td></tr>
<tr><td colspan="2">Minimum final mark to pass (%)</td><td colspan="3">50%</td></tr>
</table>

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory/practical	Not applicable	Not applicable	Not applicable	Not applicable
	Duration				
	% contribution to Summative Assessment Mark				
	Sub minimum				

MODULAR INFORMATION							
Department:	COMMUNITY DENTISTRY				**School:**	DENTISTRY	
Last Revision date:	2019			**First Year Offered (New):**	2020		
Replace this Module existing module(s)?	No			**If YES, give the module codes:**			
Module linked to Qualification/s:	BOH02	BDT02					
Module Code: (4 alphabetic & 3 numeric)	MDEA020						
Module Name:	Dental Public Health						
Content:	**Unit 6**: Public health aspects of malocclusion: Indices to measure malocclusion; Epidemiology of malocclusion; Preventive and interceptive orthodontics on a community level. **Unit 7:** Public health aspects of other diseases and conditions: Epidemiology of edentulism; Public health aspects of HIV/AIDS; Public health aspects of premalignant and malignant oral lesions; Public health aspects of oro-facial trauma. **Unit 8:** Health care systems: International and the South African health care systems; Factors which influence the planning and evaluation of oral health care services. **Unit 9:** Health policy: The need for a health policy; South African health and oral health policy; Primary health care. **Unit 10:** Service Learning and Community Engagements: Definition of service learning (SL) and CE. The importance of SL and CE in student learning and community service. Structured reflections and SR Framework.						
Learning Outcomes:	**Public health aspects of malocclusion** To know and understand the indices used to measure malocclusion To know, understand and be able to define the epidemiology of and discuss the etiologic and contributory factors of malocclusion Etiological factors involved in malocclusion To be able to discuss Host factors, genetic factors, Race Gender, Age and habits and environmental Factors such as diet, malnutrition, and agent factors as contributing towards malocclusion. Agent Factors like dental caries Periodontal disease, Trauma, Poliomyelitis and allergies – as leading causes of abnormal breathing, muscle tone and eventually malocclusion Elucidate factors affecting treatment of malocclusion and those that can improvements in personal appearance, Self-perception and self-esteem. Understand that peer pressure and social class can also influence uptake of orthodontic treatment and varies according to culture and societal norms, which may vary from one place to another. To appraise the levels of malocclusion in South Africa **Public health aspects of other diseases and conditions** **Edentulism:** To be able to discuss the epidemiology of edentulism and global and local trends thereof. To be able to discuss the de**terminants of edentulism** **HIV/ AIDS:** To appraise the rate of transmission, the global picture as well as that of the Sub-Saharan region. Discuss the epidemiology of oral manifestations of HIV and AIDS, policies and management of HIV/ AIDS.						

<table>
<tr><td colspan="2"></td><td colspan="5">Premalignant and malignant oral lesions: discuss the epidemiology of oral cancer and premalignant lesions, etiological factors, public awareness, prevention of and future directions.
Public health aspects of orofacial trauma: Discuss the conceptual framework of oro-facial trauma, causes and their prevention including public awareness.
International and the South African Health Care Systems
Name the key features of each system including key features of each. To appraise each system and zoom into our RSA context
Health policy: Identify the need for health policy and discuss development and modification of the existing policies.
SL and CE: Define SL and CE, discuss the aim and impact of SL and CE on the institution, the community and the students.8</td></tr>
<tr><td colspan="2" rowspan="2">Module Information:</td><td colspan="2">SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</td><td colspan="2">ITS Course Level</td><td>CESM Code (3rd Order) (Six Numbers)</td></tr>
<tr><td colspan="2">4</td><td colspan="2">3</td><td>090305</td></tr>
<tr><td colspan="2" rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">FT</td><td>Y</td></tr>
<tr><td colspan="2" rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>2x40 min</td><td>None</td><td>None</td><td>None</td><td>None</td></tr>
<tr><td colspan="2">Pre-requisite modules for this module:</td><td colspan="5">MDEA010</td></tr>
<tr><td colspan="2">Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td colspan="2">Assessment criteria</td><td colspan="5">• Demonstrate an integrated knowledge and understanding of malocclusion, edentulism, HIV/ AIDS/, Oral malignancies and other cancers, oro-facial trauma.
• Demonstrate detailed knowledge and understanding of epidemiology and prevention of oral diseases and conditions.
• Critique the international health care systems and their implications for South African Health Care Systems for the planning of Oral Health Services.
• Critique the RSA health Policy in relation to our health needs and context for South Africa.
Demonstrate detailed knowledge and understanding of SL and CE, their needs and impact on communities.</td></tr>
<tr><td colspan="2">Assessment method</td><td colspan="5">Tests, Reflective essays, written assignments and Presentations, Examination</td></tr>
<tr><td rowspan="4">Mark Structure:</td><td colspan="2">Minimum Form Assessment Mark for exam admission (%)</td><td colspan="5">40%</td></tr>
<tr><td rowspan="2">40%</td><td>% Formative Assessment Mark</td><td colspan="5">60%</td></tr>
<tr><td>% Summative Assessment Mark</td><td colspan="5">40%</td></tr>
<tr><td colspan="2">Minimum final mark to pass (%)</td><td colspan="5">50%</td></tr>
<tr><td rowspan="4">Summative Assessment Paper:</td><td></td><td>Paper 1</td><td>Paper 2</td><td>Paper 3</td><td>Paper 4</td></tr>
<tr><td>Theory/practical</td><td>Theory</td><td></td><td></td><td></td></tr>
<tr><td>Duration</td><td>3Hr</td><td></td><td></td><td></td></tr>
<tr><td>% contribution to Summative Assessment Mark</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Sub minimum</td><td></td><td></td><td></td><td></td></tr>
</table>

MODULAR INFORMATION							
Department:	Community Dentistry				**School:**	DENTISTRY	
Last Revision date:	2019			**First Year Offered (New):**	2020		
Replace this Module existing module(s)?	**No**			**If YES, give the module codes:**			
Module linked to Qualification/s:	BOH02	BDT02					

Module Code: (4 alphabetic & 3 numeric)	MDEA030
Module Name:	DENTAL PUBLIC HEALTH III
Content:	Content Programme planning Service Learning: • Service Learning Theory: • Practice and benefits: • Community engagement, • Clinical practice
Learning Outcomes:	**Programme planning** Recall the sequence of events when planning health education programmes in communities Understand the need for planning, managing and implementing programmes Understand the need to conduct a comprehensive situation analysis when planning health education programmes Use the logic model to plan, monitor & evaluate a programme **Service learning** At the end of this module the student will: be able to conduct situation analysis of target community; Deliver customer oriented clinical services; Develop socially acceptable skills and values through persistent reflection, lifelong learning, tolerance, compromise and sensitivity; Enhance and develop a sense of civic responsibility and altruism.

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	8	3	090305

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	**FT**	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1	None			

Pre-requisite modules for this module:	MDEA020
Co-requisites modules for module:	
Assessment criteria	**Programme planning** Provide the sequence of events when planning health education programmes Explain the need for planning, monitoring and implementing programmes Define the nature and extent of the problem in the local context; Map the perceptions and experiences of key stakeholders in relation to the problem; Identify existing strategies and activities which address the problem; Identify the actors and organizations that are already active in the area; Identify the actors and organizations that could be important partners; and Identify gaps in existing strategies and activities Define the logic model Describe how the logic model can be used in program planning, monitoring and

			evaluation Using the logic model plan a programme **Service Learning** A student is able to: carry out a situational analysis of target communities; Deliver customer oriented clinical services; Develop socially acceptable skills and values through persistent reflection lifelong learning, tolerance, compromise and sensitivity; Enhance and develop a sense of civic responsibility and altruism. Student will write 1 formative test, Six reflective reports (1x Look, Listen and Learn); four Salvokop/Winterveldt/Schools/old age homes reports and one Phelophepa assignment.			
Assessment method			Tests, Orals, assignments, presentations and examination			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%			
	40%	% Formative Assessment Mark	60%			
		% Summative Assessment Mark	40%			
	Minimum final mark to pass (%)		50%			
Summative Assessment Paper:			**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical		Theory			
	Duration		3Hr			
	% contribution to Summative Assessment Mark					
	Sub minimum					

MODULAR INFORMATION					
Department:	Community Dentistry		**School:**	DENTISTRY	
Last Revision date:	2020		**First Year Offered (New):**	2015	
Replace this Module existing module(s)?	**No**		**If YES, give the module codes:**		
Module linked to Qualification/s:	BDS01				
Module Code: (4 alphabetic & 3 numeric)	MDEB030				
Module Name:	Dental Public Health I				
Content:	**Unit 3: Public health aspects of dental caries:** Indices to measure dental caries; Epidemiology of dental caries; High risk and population strategies in managing dental caries; A food policy in relation to etiology of dental caries, role of sucrose, substitutes, dietary analysis and counselling; Fissure sealant programs; Tooth brushing, oral mouth rinse and fluoride tablet/drops programs; Water fluoridation; Alternative fluoridation measures to water fluoridation; Principles and effectiveness of ART and ART as a public health measure. **Unit 4: Public health aspects of periodontal diseases:** Indices to measure oral cleanliness and periodontal diseases; Epidemiology of periodontal diseases; Community-based prevention of periodontal diseases. **Unit 5: Public health aspects of dental fluorosis:** Indices to measure dental fluorosis; Epidemiology of dental fluorosis; Risk factors for the development of dental fluorosis.				

Learning Outcomes:	• **Illustrate your understanding of epidemiological terms and indices**
	  • Understand the indices used to measure dental caries
	  • Understand factors that contribute to the incidence and prevalence of dental caries.
	  • Illustrate how these factors (individually and or jointly) contribute to the incidence and				

<table>
<tr><td></td><td>prevalence of dental caries.
• Understand the objectives set for caries prevalence by the WHO and South Africa
• Judge an epidemiological article on dental caries
• Understand the implication of prevalence of dental caries on high risk and population strategies
• Understand the implications of caries prevalence for professionals.
• Understand the high risk and population approaches in the management of dental caries.
• Understand the implications of both strategies for the prevention of dental caries
• A food/sugar policy in relation to aetiology of dental caries
• Explain the elements and contents of a food/sugar policy
• Understand the relation of a food/sugar policy to dental caries
• Public health aspects of periodontal disease
• Understand factors that contribute to the incidence and prevalence of oral cleanliness and periodontal diseases.
• Illustrate how these factors (individually and or jointly) contribute to the incidence and prevalence of oral cleanliness and periodontal diseases.
• Judge an epidemiological article on periodontal diseases.
• Understand periodontal disease as a public health problem.
• Understand strategies for improving community periodontal health
• Public health aspects of dental fluorosis,
• Understand factors that contribute to the incidence and prevalence of dental fluorosis.
• Illustrate how these factors (individually and or jointly) contribute to the incidence and prevalence of dental fluorosis.
• Critique an epidemiological article on dental fluorosis
• Understand dental fluorosis as a public health problem
• Understand the risk factors for developing dental fluorosis</td></tr>
<tr><td>Module Information:</td><td><table><tr><td>SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</td><td>ITS Course Level</td><td>CESM Code (3rd Order) (Six Numbers)</td></tr><tr><td>4</td><td>3</td><td>090305</td></tr></table></td></tr>
<tr><td>Delivery Information:</td><td><table><tr><td>Campus</td><td>Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr><tr><td>SMU</td><td>FT</td><td>2Nd Sem</td></tr></table></td></tr>
<tr><td>Periods per week:</td><td><table><tr><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr><tr><td>1</td><td>None</td><td>None</td><td>None</td><td>None</td></tr></table></td></tr>
<tr><td>Pre-requisite modules for this module:</td><td></td></tr>
<tr><td>Co-requisites modules for module:</td><td></td></tr>
<tr><td>Assessment criteria</td><td>At the end of the module the student will:
• Demonstrate detailed knowledge and understanding in the application of the principles of epidemiological terms and indices of dental caries
• Explain the economic implications and reasons for the trends of dental caries in developed and developing countries
• Describe the role of dental professionals in the management and prevention of dental caries
• Identify and explain factors that contribute to the incidence and prevalence of oral cleanliness and periodontal diseases.
• Illustrate and apply knowledge and understanding of factors, how they (individually and or jointly) contribute to the incidence and prevalence of oral cleanliness and periodontal diseases.
• Identify and explain factors that contribute to the incidence and prevalence of dental fluorosis.
• Illustrate and apply knowledge and understanding of factors, how they (individually and or</td></tr>
</table>

		jointly) contribute to the incidence and prevalence dental fluorosis.	
Assessment method		Tests, Orals, Assignments and Presentations	
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		Assignment=15% Test 1=35% Test 2= 50%
		% Formative Assessment Mark	100%
		% Summative Assessment Mark	
	Minimum final mark to pass (%)		50% (promotional)

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory/practical	Not applicable	Not applicable	Not applicable	Not applicable
	Duration				
	% contribution to Summative Assessment Mark				
	Sub minimum				

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2020			2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MDED040
Module Name:	DENTAL PUBLIC HEALTH II
Content:	**Unit 3: Public health aspects of dental caries:** Completed in BDS III (Dental Public Health I). Indices to measure dental caries; Epidemiology of dental caries; High risk and population strategies in managing dental caries; A food policy in relation to etiology of dental caries, role of sucrose, substitutes, dietary analysis and counseling; Fissure sealant programs; Tooth brushing, oral mouth rinse and fluoride tablet/drops programs; Water fluoridation; Alternative fluoridation measures to water fluoridation; Principles and effectiveness of ART and ART as a public health measure. **Unit 4: Programme Development**: Introduction to programme Development, Planning and evaluation of oral health care services **Unit 5: Public health aspects of periodontal diseases:** Indices to measure oral cleanliness and periodontal diseases; Epidemiology of periodontal diseases; Community-based prevention of periodontal diseases. **Unit 6: Public health aspects of dental fluorosis:** Indices to measure dental fluorosis; Epidemiology of dental fluorosis; Risk factors for the development of dental fluorosis. **Unit 7:** Public health aspects of malocclusion: Indices to measure malocclusion; Epidemiology of malocclusion; Preventive and interceptive orthodontics on a community level. **Unit 8: Public health aspects of other diseases and conditions:** Epidemiology of edentulism; Public health aspects of HIV/AIDS; Public health aspects of premalignant and malignant oral lesions; Public health aspects of oro-facial trauma. **Unit 9: Health care systems:** International and the South African health care systems; Factors which influence the planning and evaluation of oral health care services. **Unit 10: Health policy:** The need for a health policy; South African health and oral

	health policy; Primary health care.				
Learning Outcomes	• To understand public health and health promotion • To understand the epidemiology and prevention of oral diseases and conditions. • To understand the international health care systems and their implications for South African Health Care Systems for the planning of Oral Health Services. • To understand Health Promotion and its need for South Africa.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	12		3		090305
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2	None	None	None	None
Pre-requisite modules for this module:	DEPH302				
Co-requisites modules for module:					
Assessment Criteria	Students are able to: • Describe public health and health promotion • Knowledgeably discuss the epidemiology and prevention of oral diseases and conditions. • Critique the international health care systems and their implications for South African Health Care Systems for the planning of Oral Health Services. • Plan Health Promotion and assess needs for South Africa.				
Assessment Methods	Tests, Orals, assignments and Presentations, Examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department: INTEGRATED CLINICAL DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	**MELA050**					

Module Name:	**ELECTIVES**				
Content:	Students must each choose a topic of interest and do an elective project. This can be any topic that is not covered in the set curriculum. or research project/protocol. A report on the project must be included in the portfolio of work.				
Learning Outcomes	**At the end of this module the student must be able to:** • Identify a directly or indirectly dentally related topic that is not covered in the set curriculum • Critically reflect on the new learning acquired in the topic/project of interest • Manage the competing demands of time including self-directed learning and critical appraisal • Formulate a report that demonstrates his/her development through the Electives module • Prepare a protocol studying/researching the topic of interest (*If doing research as Elective)*				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	8		4		090302
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		Y
Academic weeks : 36 weeks	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	0	0	0	0	y
Pre-requisite modules for this module:	ALL PREFINAL YEAR MODULES				
Co-requisites modules for module:	BDS 5 MODULES				
Assessment Criteria	**At the end of this module, the student must be able to:** • Effectively identify his/her own learning needs and opportunities for self-directed, life-long learning • Analyse the learning experience in the topic/project of interest, highlighting insight gained and the impact of the experience on his/her development as oral health care practitioner • Allocate reasonable time-lines, adhere to schedules and attend all planned sessions • Compile a well-documented written report of topic, research project and learning encountered during Electives sessions • Apply prior knowledge to choose a research topic and develop a research protocol				
Assessment Methods	Assessment of the mini research project using a standardized rubric Assessment of the research report using a standardized rubric				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40
	Final mark =	% Continuous Assessment Mark	100%
		% Summative Assessment Mark	N/A
	Minimum final mark to pass (%)		50

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	N/A			
	Duration	N/A			
	% of Exam Mark	N/A			
	Sub minimum	40%			

<table>
<tr><th colspan="8">MODULE INFORMATION</th></tr>
<tr><td colspan="4">Department: Language Proficiency</td><td colspan="4">School: Science and Technology</td></tr>
<tr><td colspan="4">Last Revision date: 2020</td><td colspan="4">First Year Offered (New): 2015</td></tr>
<tr><td colspan="4">Replace this Module existing module(s)?</td><td colspan="4">If YES, give the module codes:</td></tr>
<tr><td rowspan="2">Module linked to Qualification/s:</td><td>BMC01</td><td>BOH02</td><td>BDT02</td><td>BDS01</td><td>BDR01</td><td>BPHB01</td></tr>
<tr><td>BOT01</td><td>BSP01</td><td>BSA01</td><td></td><td></td><td></td></tr>
<tr><td colspan="2">Module Code: (4 alphabetic & 3 numeric)</td><td colspan="6">MEHS010</td></tr>
<tr><td colspan="2">Module Name</td><td colspan="6">ENGLISH FOR HEALTH SCIENCES</td></tr>
<tr><td colspan="2">Content:</td><td colspan="6">Areas to be integrated
Reading Skills: text organization (structure), how grammar carries meaning, vocabulary development, the importance of purposeful reading, reading and interpreting graphic information, understanding using different types of sources and their relative importance; using key words for accessing information on the internet; critical and interactive reading
Writing skills: understanding the writing process, effective writing strategies at sentence, paragraph and essay levels, writing and assessment, referencing techniques
Computer Literacy: Microsoft word, Excel, PowerPoint, Internet and E-mail, Blackboard
Information Literacy – better skills for efficient use of library. Oral presentation of written and research work.
Life Skills topics including HIV, Rape, Abortion, Family Planning & Safety
Academic skills promoting student retention and success including creating individual action plans (online student portfolio of evidence) for their study; engaging students in their own learning; developing self-regulated learners; and strengthening faculty/student relationships.</td></tr>
<tr><td colspan="2">Learning Outcomes:</td><td colspan="6">1. Develop reading skills including visual literacy to read with understanding a wide range of print and non-print texts to enable acquisition and understanding of new information relevant to the needs and demands of society, to participate in community-based learning and service and research; and for personal development (life skills).
2. Develop writing skills for English communication of acquired learning, effective response to assessment, across the curriculum as well as for healthcare practice, community engagement and research.
3. Develop computer skills around commonly used computer software programmes including PowerPoint, MS Word, Excell, the use of tables and graphs, E-mail as well as Blackboard - FHS online learning platform. The content should integrate the module outcomes.
4. Develop Information literacy skills to be able to use a variety of technological and information resources (e.g., library skills, databases, computer networks, video) to gather and synthesize information and to create and communicate knowledge, and to conduct research to establish evidence-based practice and to role model the specific module topics as well as to promote health and well-being of the reference population.
5. Apply a holistic approach to life skills promoting health and wellbeing, developing an awareness of their own stage of development as an adolescent studying at university, as well as an awareness of the overall social and community outcomes of their learning programmes. This will include approaches to solving contemporary social and healthcare issues such as HIV, rape, abortion, family planning and patient safety</td></tr>
</table>

<table>
<tr><td></td><td colspan="5">6. Apply academic study skills to achieve learning outcomes including creating individual action plans (online student portfolio of evidence) for their study; engaging students in their own learning; developing self-regulated learners; strengthening faculty/student relationships; promoting student retention and success.</td></tr>
<tr><td rowspan="2">Module Information:</td><td colspan="2">SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td>CESM Code (3rd Order)</td></tr>
<tr><td colspan="2">12</td><td colspan="2">2</td><td>110201</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">Full Time</td><td>Y</td></tr>
<tr><td rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>3</td><td></td><td>2</td><td></td><td></td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5">None</td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5">None</td></tr>
<tr><td>Assessment criteria</td><td colspan="5">1. Demonstrate the effective application of a wide range of reading strategies including visual literacy to comprehend, interpret, evaluate, and appreciate print and non-print texts relevant to health sciences and health and well-being literacy including
- text organization
- grammar
- vocabulary development
- reading faster with improved understanding
- interpreting graphic information
- using key words for accessing information on the
- internet
- critical and interactive reading to extract explicitly stated ideas, to understand implied ideas, guess meanings of unfamiliar words and vary language use with synonyms and antonyms
2. Given the learning programme and the current best practices in healthcare practice and research, demonstrate proficiency and confidence to apply:
- the English language structure
- language conventions (e.g., spelling and punctuation)
- media techniques
- figurative language
- genre to create, critique, and discuss print and non-print texts relevant to the health sciences learning programmes and healthcare practice and research context
3. Exhibit an understanding of the technology that underpins today's life and workplace infrastructure taking many forms such as text, images, mobile, video, computer simulations, multi-media, Internet etc. to find, translate, integrate and communicate knowledge to different audiences (e.g. co-professional workers or patients/family)
4. Demonstrate the effective use of information literacy which deals with using library efficiently for study and reference purposes encompassing:
- authoring
- information finding and organization
- research process
- plagiarism and referencing
- information analysis and synthesis
- assessment and evaluation
5. Show adequate English proficiency and confidence in discussing lifestyle issues and ways of achieving a healthy lifestyle including approaches to solving contemporary social and healthcare issues such as HIV, rape, abortion, family planning and patient safety
6. Display adequate academic study skills that raise student awareness of significant factors that influence learning outcomes and engage students to develop a skill and</td></tr>
</table>

	habit for: - creating individual action plans for their study - engaging in their own learning - developing themselves as lifelong self-regulated learners - strengthening faculty/student relationships - promoting student retention and success
Assessment methods	A: Continuous assessments Weightage: 60% Formal Tests: 7 (1 – Com Lit; 1– Information Literacy; 1- Study and Information Management; 4- English Language Competence) B: Final Assessment (Summative Assessment) Weightage: 40% Externally moderated 3 hour written paper

Mark Structure:	Min Form Assess Mark for exam admission (%)		40%
	Final mark =	% Form Assess Mark	60%
		% Summ Assess Mark	40%
	Min final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/ Practical	Theory			
	Duration	3hours			
	Sub minimum	100%			
	% Contribution to summative assessment mark	40%			

MODULAR INFORMATION REQUIRED							
Department: LANGUAGE PROFICIENCY			**School:** SCIENCE AND TECHNOLOGY				
Last Revision date: 2018			**First Year Offered (New):** 2019				
Replace this Module existing module(s)			**If YES, give the module codes:**				
Module linked to Qualification/s:	BOH02	BDT02					

Module Code: (4 alphabetic & 3 numeric)	MEHS020
Module Name:	ENGLISH LANGUAGE FOR HEALTH SCIENCES II
Content:	**Advanced Reading and Writing competencies including:** • Literature search and review • Writing the review • Oral presentation of the review • Computer skills: PowerPoint presentation
Learning Outcomes	

Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	16		2		110205
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**

	5	None	None	None	None	
Pre-requisite modules for this module:	None					
Co-requisites modules for module:	None					
Assessment Criteria						
Assessment Methods						

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	100%
		% Summative Assessment Mark	
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical				
	Duration				
	% of Exam Mark				
	Sub minimum				

MODULAR INFORMATION						
Department:	MAXILLOFACIAL AND ORAL SURGERY			**School:**	DENTISTRY	
Last Revision date:	2023			**First Year Offered**	2021	
Replace this Module with existing module(s)?	**NO**			**If YES, give the module codes:**		
Module linked to Qualification/s:		BDT02				
Migration Strategy:	(If YES, Section G must also be completed)					

Module Code (4 alphabetic & 3 numeric)	MEXO021
Module Name	EXODONTIA I
NQF Level of this module	7
Purpose of the module	The purpose of the Unit is to equip students with the necessary knowledge of the Pharmacology of LA and skills to be able to administer safe local anesthesia and prevent and manage possible complications.
Content (list topics):	• The Pharmacology of Local Anaesthesia • Vasoconstrictors in LA • Topical Anaesthesia • Local Anaesthetic Techniques
Exit Level Outcomes addressed by this module	By the end of the module, the student must be able to: • Understand the Pharmacology of Local Anaesthesia • Understand the Vasoconstrictors added to Local Anaesthesia • Understand Topical Anaesthesia • Understand various Local Anaesthetic Techniques

Teaching and Learning Activities (contact lecture; remote lecture; practical demonstration; synchronous/semi-	***Time Estimation***	***Face-to-face contact sessions***	***Blackboard LMS Activities***	***Non-LMS Independent Learning, inc.***	***Assessment***	***Practicals & Other Activities (Specify)***

synchronous/asynchronous e-learning activities; online discussion forum; group work; self study; etc. **Indicate the proportion of each in a table format by using percentages**				***Assignments***		
	Learning Time Percentage Split	*Above 30%*	*27.5%*	*20%*	*7.5%*	*15%*
	Total Notional Hours estimations (e.g. over 15 weeks)	*40*	*41 hrs, 15 mins*	*30*	*11 hrs 15min*	*22 hrs, 30 mins*
	Notional Hours per Week Estimations	*40 mins*	*2 hrs, 45 mins*	*2 hours*	*45 minutes*	*1 hr, 30 mins*
	4 Credits = 40 notional hours					
Work integrated Learning/clinical practice	N/A					
Total credits for WIL						
The level at which WIL commences and tabulates the programme/blocks						
Prescribed/recommended texts	1. A Practical Approach to Hazards of Local Anaesthetic Injections Questions and Answers by Daniel P. Barnard 2. Handbook of Local Anaesthesia, 6th Edition by Malamed SF					

Learning outcomes	**Assessment Criteria**
1. Know the uses, indications, contraindications and complications of local anaesthesia	Describe and explain local anaesthetics, and choose the correct solutions for different patients and manage each patient accordingly. Be able to identify LA complications and manage accordingly,
2. Know the composition and pharmacology of local anaesthesia	Describe and explain the components, pharmacokinetics and pharmacodynamics of local anaesthesia

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	4	3	090308
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	Campus	**Full-time**	1st Semester

Periods per week:	**Classes Contact & Remote/online**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning (including e-learning)**
	1x40 min	None	None	None	None
Pre-requisite modules for this module:					
Co-requisites modules for module:	Anatomy; Physiology; Chemistry				
Assessment strategy	**Formative Assessment Methods:** One-semester theory test **Summative Assessment Methods:** One written examination				

Internal Moderation	YES					
External Moderation	YES					
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)				40%	
	Final Mark	% Continuous Assessment Mark (semester mark)			60%	
		% Summative Assessment Mark			40%	
	Minimum final mark to pass (%)				50%	
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**	
	Theory/practical	Written				
	Duration	3 hours				
	% contribution to Summative Assessment Mark					
	Sub minimum	50%				

MODULAR INFORMATION							
Department: MAXILLOFACIAL AND ORAL SURGERY			**School:** DENTISTRY				
Last Revision date: 2019			**First Year Offered (New):** 2015/2022				
Replace this Module existing module(s)? NO			**If YES, give the module codes:**				
Module linked to Qualification/s:		BDT02					
Module Code: (4 alphabetic & 3 numeric)	MEXO030						
Module Name:	EXODONTIA II						
Content:	Techniques of exodontia under local anaesthesia; the indications and contra indications for extraction of teeth. Pre-operative, intra-operative and post-operative management of a patient requiring tooth extraction(s). Management of post extraction complications: dry socket and bleeding, fractured teeth using only hand instruments, etc. Knowledge of odontogenic infections. Wound healing process. Management of medically compromised dental patients and the pregnant patients, medical emergencies in a dental setting						
Learning Outcomes	By the end of this module students are able to; • Take comprehensive patient history taking and perform proper patient evaluation • Understand sterilization and infection control • Understand the management of peri-operative bleeding • Have a good knowledge of wound healing and closure • Prevent and manage oral surgical complications • Know exodontia instruments • Understand the principles of Exodontia • Manage the complications of Exodontia • Understand odontogenic infections and spread thereof • Manage common medical emergencies in a dental setting • Manage dental patients with medical conditions						
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**		
	24		3		090308		
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**		

	SMU		FT		Y
Periods per week: 36	**Classes**	**Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2x40 min	2x2 hr	None	None	None
Pre-requisite modules for this module:	MEXA022				
Co-requisites modules for module:	None				
Assessment Criteria	By the end of this module students are able to; • Take a proper dental and medical history of a patient undergoing dental treatment • Know the indications, contraindications and techniques of tooth extraction using the intra-alveolar method • Select the appropriate instruments (forceps and dental elevators) for a successful dental extraction • Identify clinical and radiological risk factors for tooth extraction • Diagnose intra-operative complications of tooth extraction in the mandible as well as the maxilla and manage the patient appropriately • Treat the most common post-operative complications of dental extraction and refer the patient for further management of the complications beyond the scope of practice of the dental therapist • Discuss wound healing in general and the healing of a dental socket in particular • Manage a medically compromised patient who needs dental extraction • Demonstrate an ability to identify, analyse critically reflect on and address complex problems, applying evidence based solutions and theory driven arguments				
Assessment Methods	• Theoretical Assessment: Two (2) theoretical semester tests (one in each semester) and one written examination • Clinical Assessment: - ongoing in the clinical setting - 2x OSCE's (one in each semester) and - a final OSCE Examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 2**	**Paper 3**
	Theory / Practical	Theory + OSCE			
	Duration	3 hrs + 1.5 hrs			
	% of Exam Mark	100%			
	Sub minimum	40% - Theory 50% - OSCE			

MODULAR INFORMATION							
Department: Pharmacology (8461)				**School:**	School of Medicine		
Last Revision date:	2012			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?		**No**		**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01						
Module Code: (4 alphabetic & 3 numeric)	MPYC031						

<table>
<tr><td>Module Name:</td><td colspan="5">GENERAL PHARMACOLOGY</td></tr>
<tr><td>Content:</td><td colspan="5">Pharmacokinetics, Pharmacodynamics, Solutions and concentrations
Medicines and the Peripheral and Central Nervous System
Anaesthetics, analgesics and anti-inflammatory medicines
Chemotherapeutic drugs
Drugs and the respiratory and gastrointestinal systems
Drugs and the cardio-vascular system
Drugs effecting the Endocrine System</td></tr>
<tr><td>Learning Outcomes</td><td colspan="5">The student will be able to :
• Demonstrate critical thinking and understanding regarding solutions and concentrations, Pharmacokinetics, Pharmacodynamics, Medicines and the Peripheral Nervous system, Anaesthetics, analgesics and anti-inflammatory medicines, Chemotherapeutic drugs, Medicines and the Peripheral Autonomic Nervous System, the Respiratory and Gastrointestinal System, the Cardio-vascular system, the Central Nervous System and the Endocrine System
• Predict and monitor the side-effects of common drugs and identify adverse effects of drug reactions
• Integrate the principles and practice of rational drug use and appreciate the importance of life-long learning regarding drug development and treatment guidelines</td></tr>
<tr><td rowspan="2">Module Information:</td><td colspan="2">SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</td><td colspan="2">ITS Course Level</td><td>CESM Code (3rd Order) (Six Numbers)</td></tr>
<tr><td colspan="2">12</td><td colspan="2">3</td><td>130901</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">Fulltime</td><td>Year</td></tr>
<tr><td rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>2</td><td>0</td><td>0</td><td>0</td><td>1</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5">0</td></tr>
<tr><td>Assessment Criteria</td><td colspan="5">• Assessment criteria include knowledge of drug classification, adverse effects, uses of medication, contra indications, mechanism of action. Systems and drugs, Legislation, prescription writing, and poisoning.
• Minimum permissible performance as applied to every particular learning outcome is used as the pass/fail criterion</td></tr>
<tr><td>Assessment Methods</td><td colspan="5">• Assessment will comply in all respects with the University of Limpopo Assessment Policy and the NQF guidelines for validity, reliability, fairness and practicability.
• Formative assessment methods include case assignments, logbook and portfolio projects, self-assessment as well as tests. Not all formative assessments are scored, but feedback is provided. Scored formative assessments contribute 60% towards the final mark.
• Summative assessment method includes an end of year written examination paper. Summative assessment contributes 40% towards the final mark.</td></tr>
<tr><td colspan="2">Minimum Form Assessment Mark for exam admission (%)</td><td colspan="4">40%</td></tr>
<tr><td rowspan="2">Final mark</td><td>% Formative Assessment Mark</td><td colspan="4">60%</td></tr>
<tr><td>% Summative Assessment Mark</td><td colspan="4">40%</td></tr>
<tr><td colspan="2">Minimum final mark to pass (%)</td><td colspan="4">50%</td></tr>
<tr><td colspan="2"></td><td>Paper 1</td><td>Paper 2</td><td>Paper 3</td><td>Paper 4</td></tr>
<tr><td colspan="2">Theory / Practical</td><td>Theory</td><td>N/A</td><td>N/A</td><td>N/A</td></tr>
</table>

Duration	2 hrs	N/A	N/A	N/A
% contribution to Summative Assessment Mark	100%	N/A	N/A	N/A
Sub minimum	40%	N/A	N/A	N/A

MODULAR INFORMATION						
Department: MICROBIOLOGICAL AND VIROLOGICAL PATHOLOGY				**School:** MEDICINE		
Last Revision date: 2012			**First Year Offered (New):** 2013			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MMMA031
Module Name:	GENERAL MICROBIOLOGY AND IMMUNOLOGY
Content:	**Module 1**: Introduction to microorganisms (bacteria, viruses, parasites, fungi) and molecular Biology **Module 2**: Antimicrobial agents **Module 3**: Infection control **Module 4**: Clinical immunology **Module 5**: Infections of relevance to dentistry 5.1 Cardiovascular infections 5.2 Respiratory tract and Oral infections 5.3 Central nervous system infections 5.4 Skin, soft tissue and joint infections 5.5 Gastrointestinal, genitourinary and multisystem infections
Learning Outcomes	- Able to understand, describe and identify the fundamentals and the key principles of medical microbiology, - Understanding the role of microorganisms (including bacteria, viruses, fungi) In pathogenic mechanisms. - Understanding the use of antimicrobial treatment. - Role of the immune system in combating infections and diseases, and also in developing hypersensitivity and autoimmune diseases. - Maintenance of infection control and safe working environment. - Apply theoretical knowledge using specific techniques in the diagnostic laboratory

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	8	3	090304
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	S1

Periods per week: 18 Weeks	**Classes**	**Slide show**	**Tutorial**	**Seminars**	**Independent Learning**
	5x40	5x40 Min/sem	6x1.5hr / sem	1x40 min/sem	None

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria	• Know key concepts in medical microbiology, including role of microorganisms in specific medical syndromes • Ability to identify micro-organisms and assess their clinical significance • Ability to describe management of infectious diseases

			• Outline the principles of laboratory diagnosis and procedures of bacteria, parasites and viruses; antimicrobial sensitivity testing and resistance; molecular techniques used in the diagnosis and characterization of microorganisms • Apply current infection control guidelines.			
Assessment Methods			Theory and practical tests and examinations			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)				40%	
	Final mark =	% Formative Assessment Mark			60%	
		% Summative Assessment Mark			40%	
	Minimum final mark to pass (%)				50%	
Summative Assessment Paper:			**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical		Theory	Practical		
	Duration		3 hours	30 min		
	% of Exam Mark		80%	20%		
	Sub minimum		40%	40%		

MODULAR INFORMATION							
Department:	INTEGRATED CLINICAL DENTISTRY			**School:**	DENTISTRY		
Last Revision date:	2024			**First Year Offered (New):**	2019		
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDT02	BOH02					
Migration Strategy:	(If YES, Section G must also be completed)						

Module Code (4 alphabetic & 3 numeric)	**MICD010**
Module Name	**INTEGRATED CLINICAL DENTISTRY I**
NQF Level of this module	NQF 6
Purpose of the module	To introduce the student to basic ethical theories, early understanding and exposure to oral health care and other professions. To learn how to develop practitioner-patient relationship by using communication and collaborative skills which will lead the student to understand his/her role as an Oral hygienist in the management of a patient and management of a successful dental practice
Content (list topics):	**The module is presented in 4 UNITS :** **UNIT 1: ETHICS** Overview of Philosophy, Ethics and Medicine Building moral arguments/morality and ethics Introduction to Ethical Theories and principles of Bio-ethics Sources of South African Law Ethical theories including consequentialism, deontology, virtue ethics and African-inspired Ubuntu values Biomedical principles of autonomy, beneficence, non-maleficence and justice and codes of healthcare ethics African-based principles of Harmony, Respect for Persons, Beneficence and Non-maleficence Historical Background of the dental Profession Professional Attitudes International Federation (FDI)

<table>
<tr><td></td><td colspan="6">Principles and Core Values of ethics
UNIT 2: Dental Practice Management
Basics of management [definitions management;
Practitioner- patient relationship [patient-centred communication skills, breaking bad-news-simulations]
Management of surgeries
Sterilization and Disinfection [Hand washing, instruments cleaning and sterilization, disinfection of work surfaces]
Fundamental skills [four-handed chair-side dentistry; Restorative materials; Instruments/ Equipment; Record keeping (dental charting)
UNIT 3: Integrated Learning
Case based learning in (PBL)
Inter- Professional Education and Collaborative Practice (IPECP)
Management of Cultural differences and Diversity
UNIT 4: Primary Emergency Care Training
The Primary Emergency Care (PEC)</td></tr>
<tr><td>Exit Level Outcomes addressed by this module</td><td colspan="6">Critical and creative thinking through ensuring optimal, comprehensive patient management using critical evaluation for evidence based best practice
Collect, analyse, organize and critically evaluate information
Know clinical treatment procedures
Known patient management, assessments, examination and diagnosis
Explain relevant regulations and legislation related to oral health profession and African-based principles
Know the ethics of professionalism, including making ethical decisions and dealing with ethical dilemmas and African-inspired Ubuntu values</td></tr>
<tr><td rowspan="5">Teaching and Learning Activities (contact lecture; remote lecture; practical demonstration; synchronous/semi-synchronous/asynchronous e-learning activities; online discussion forum; group work; self study; etc.

Indicate the proportion of each in a table format by using percentages</td><td>Time Estimation</td><td>Face-to-face contact sessions</td><td>Blackboard LMS Activities</td><td>Non-LMS Independent Learning, inc. Assignments</td><td>Assessment</td><td>Practicals & Other Activities (Specify)</td></tr>
<tr><td>Learning Time Percentage Split</td><td>69.5%</td><td></td><td>30%</td><td>0.55%</td><td>-</td></tr>
<tr><td>Total Notional Hours estimations (80hrs)</td><td>250hrs 12min</td><td></td><td>108hrs</td><td>2hrs</td><td>-</td></tr>
<tr><td>Notional Hours per Week Estimations</td><td>8hrs,4.2</td><td></td><td>3hrs, 30min</td><td>-</td><td>-</td></tr>
<tr><td colspan="6">36 Credits = 360 notional hours</td></tr>
<tr><td>Work integrated Learning/clinical practice</td><td colspan="6">No</td></tr>
<tr><td>Total credits for WIL</td><td colspan="6">N/A</td></tr>
<tr><td>Level at which WIL commences and tabulate the programme/blocks</td><td colspan="6">N/A</td></tr>
<tr><td>Prescribed/recommended texts</td><td colspan="6">Ethics
• Dhai, A., & McQuoid-Mason, D. 2011. Bioethics, Human Rights and Health Law. Principles and Practice. Juta & Company Ltd.

Practice Management
• Joubert, D. (2000). Practice made perfect. A management hand book for South African doctors. Health and Medical Publishing Group. South African Medical Association.
• Mossey, P.A., Holsgrove, G.J., Stirrups, D.R., & Davenport,E.S. 2006. Essential</td></tr>
</table>

	skills for dentists. 1st Ed. Oxford University Press. Oxford: London • The Art and Science of Operative Dentistry – 3rd Ed. C.M Sturdevant, T.M. Roberson, H.A. Heymann and R.R. Sturdevant. • Text book of Operative Dentistry, 2nd Ed. L. Baum, R.W. Phillips and M.R. Lund. • Dental Materials. 3rd Ed. Craig, O'Brien and Powers, 1983. • Elements of Dental Materials. R.W. Phillips, 1977. • Restorative Dental Materials. R.G. Craig, 1989. • Fundamentals of Operative Dentistry, 1996, R.S. Schwartz, J.G. Summit and J.W. Robbins. Quintessence Publishing Co: Chicago.

Learning outcomes	**Assessment Criteria**
Lo 1: Critical and creative thinking through ensuring optimal, comprehensive patient management using critical evaluation for evidence based best practice	
Develop critical thinking and clinical reasoning skills	Show clinical reasoning skills when solving clinical case scenarios Show information acquisition skills when solving problems in the case based scenario Develop information analysis and application skills to make decisions and solve the presented problem
Lo 2: Collect, analyse, organize and critically evaluate information	
Show information acquisition skills when solving problems	Analyse given information to solve the problem given in case scenario Work together with other members in a positive and coherent manner when solving problems
Lo 3: Know clinical treatment procedures	
Describe the patient, operator and chairside responsibilities of dental assistant	Identify dental instruments Identity equipment used for isolation and rinsing of the mouth Select , handle and correctly place the most suitable direct restorative materials Describe the correct way to safely position the patient on the dental chair Describe how to assist operator in various dental procedures Describe preparation of instruments and correct transfer techniques Demonstrate the casting and trimming of a plaster model base
Sterilization and disinfection of dental instruments	Explain the importance of sterilisation of dental instruments Show the correct method to clean and disinfect clinical area before and after patient treatment Demonstrate the correct method to wash and disinfect/sanitize hands
Lo 4: Known patient management, assessments, examination and diagnosis	
Discuss patient care management in dental practice	Demonstrate active listening skills by allowing the patient to tell their own story without interruption Work together with other members in a positive and coherent manner when solving problems Explain the different barriers to communication and ways to reduce these gaps in communication Describe the surfaces of teeth for dental charting communication Describe the correct way to safely position the patient on the dental chair Describe different restorative materials Perform four-handed dentistry Describe legal and ethical responsibilities of a primary emergency care giver Safeguard the emergency scene

Lo 5: Explain relevant regulations and legislation related to oral health profession	
Know the general rules for the use of dental laboratories **Explain the HPCSA statutory body**	Identify the rules of the dental laboratories Explain the constituents of the HPCSA Explain the role of HPCSA in the dental profession Describe the Professional role of Oral Hygienist as expected by the HPCSA
Lo 6: Know the ethics of professionalism, including making ethical decisions and dealing with ethical dilemmas	
Discuss the importance of Ethics in dental profession	Define the concept of Professionalism Discuss the importance of Ethics in dental profession Describe the positive attributes for building healthy professional relationships

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**	
	16 (36)	3	091901	
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**	
	SMU	Full Time	**Year**	

Periods per week:	**Classes Contact & Remote/online**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning (including e-learning)**
	2	1	None	3	Y

Pre-requisite modules for this module:	N/A
Co-requisites modules for module:	All first year modules
Assessment strategy	**Formative and Continuous Assessment Methods**: Quizzes, Reflections, Short Answer Questions, MCQ, True or False, Match best answer, Assignments, Group reports, reflective writing, group presentations, self-assessment, peer-evaluation, quizzes, assignments, OSCE **Summative Assessment Methods**: Short Answer Question, MCQ, Match best Answer
Internal Moderation	YES
External Moderation	YES

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final Mark	% Formative/Continuous Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical	Theory	OSCE		
	Duration	3hrs	1hr		
	% contribution to Summative Assessment Mark	70%	30%		

	Sub minimum	40%	50%		

MODULAR INFORMATION							
Department:	INTERGRATED CLINICAL DENTISTRY			**School:**	DENTISTRY		
Last Revision date:	2024			**First Year Offered (New):**	2021		
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDT02	BOH02					

Module Code (4 alphabetic & 3 numeric)	**MICD020**
Module Name	**INTEGRATED CLINICAL DENTISTRY II**
NQF Level of this module	NQF 6
Purpose of the module	to provide the student with the necessary knowledge that will help him/her to improve patient care, professional conduct and to gain leadership and entrepreneurial skills as a member of a multidisciplinary healthcare team in the South African context.
Content (list topics):	**Unit 1: Bioethics, Human Rights Law and Health Law (LEGAL)** • **Practitioner - Patient relationship**: Emotional Intelligence • **Vulnerable populations:** • **Medical Malpractice and Professional Negligence:** the legal implications of medical malpractice and professional negligence • **Virtue Ethics:** virtue ethics in oral healthcare practice and in comparison with other principles **Unit 2: Professional Ethics (Jurisprudence) – ETHICAL** • Review of 1st year topics *(FDI, Principles and core values of Ethics)* • **Professionalisation in Health Care (HPCSA):** • **Patients' Rights Charter**: **Unit 3: Practice Management in Dentistry** • Basics of Management- Functions of Management, Principles and values for successful management of a dental practice, Oral hygienist/dental therapist as dental practice manager, (Time Management, conflict management, Managerial roles, Management & Leadership, Leadership styles, Leadership skills) • Management of Health Care Waste • Business contracts • Entrepreneurship
Exit Level Outcomes addressed by this module	Know the principles of ethics, relevant legislation and professional behaviours within the oral healthcare milieu Know management principles in a clinical oral healthcare environment Explain and demonstrate the various preventive, promotive, curative and rehabilitative interventions expected of the oral hygienist

Teaching and Learning Activities (contact lecture; remote lecture; practical demonstration; synchronous/semi-synchronous/asynchronous e-learning activities; online discussion forum; group work; self study; etc.	***Time Estimation***	***Face-to-face contact sessions***	***Blackboard LMS Activities***	***Non-LMS Independent Learning, inc. Assignments***	***Assessment***	***Practicals & Other Activities (Specify)***
	Learning Time Percentage Split	61.25%	6.25%	30%	2.5%	-

Indicate the proportion of each in a table format by using percentages	*Total Notional Hours estimations (80hrs)*	49hrs	5hrs	24hrs	2hrs	-
	Notional Hours per Week Estimations	1hr, 12min	8 min	38 min	-	-
	8 Credits = 80 notional hours					
Work integrated Learning/clinical practice	No					
Total credits for WIL	N/A					
Level at which WIL commences and tabulate the programme/ blocks	N/A					
Prescribed/recommended texts	**Ethics** • Dhai, A., & McQuoid-Mason, D. 2011. Bioethics, Human Rights and Health Law. Principles and Practice. Juta & Company Ltd. • Moodley, K. 2017. Medical Ethics, law and human rights *(A South African perspective)*. 2nd Edition. Van Schaik **Practice Management** • Joubert, D. 2000. Practice made perfect. A management handbook for South African doctors. Health and Medical Publishing Group. South African Medical Association. • Finkbeiner B. L and Finkbeiner C.A. 2016. Practice management for the dental team (8th Edition) Mosby Elservier • Mossey, P.A., Holsgrove, G.J., Stirrups, D.R., & Davenport, E.S. 2006. Essential skills for dentists. 1st Ed. Oxford University Press. Oxford: London					

Learning outcomes	**Assessment Criteria**
Lo 1: Apply the principles of ethics, relevant legislation and professional behaviours within the oral healthcare milieu	
Outline the current ethical issues with regards to respect for the rights of vulnerable population	Explain vulnerability in healthcare Summarize good ethical and legal healthcare practice with regards to vulnerable populations Appraise the good ethical and legal practice in responding to suspected abuse of vulnerable populations. Discuss the rights of children in South African oral health care setting Explain reasonable steps that must be taken to accommodate the needs of people with disability in healthcare Explain your role as health care provider in identifying signs of abuse and reporting abuse
Describe the legal implications of medical malpractice and professional negligence	Discuss medical practice and professional negligence in clinical setting Explain the legal implications of medical malpractice and professional negligence Describe how you would manage working with impaired colleague at your dental practice
Conceptualise the role of virtue ethics in oral healthcare provision	Explain the significance of the virtues of compassion, trustworthiness, integrity, discernment, conscientiousness and facilitative attitudes in the practice of good health care Compare and contrast virtue of ethics from other ethical principles
Outline the core values of Ethics	Explain the core values of Ethics Apply the core values of Ethics in clinical practice Describe autonomous choice of patients

Know HPCSA rules for healthcare practitioners	Discuss the ethical limits of paternalism towards a patient Describe the goals and mission of HPCSA as the regulatory body in South Africa Explain the rules and requirements of CPD
Analyze Patient Rights Charter	Describe the Patient Rights Charter Explain the responsibilities of the patient
Lo 2: Know management principles in a clinical oral healthcare environment	
Describe the basic management principles according to Henry Fayol **Explain the skills required of a practice manager** **Explain the importance of health care waste management** **Describe the importance of Entrepreneurship in dental practice**	Describe the basic principles that a manager needs in order to run a business Discuss strategies to prevent every day stress of running late Appraise leadership styles that may be useful to dental therapist as a leader of the dental team Compare and contrast management and leadership Describe different managerial roles according to Mintzberg Describe different management levels and skills Explain the interconnectedness of management levels and competencies/skills Discuss the guidelines for management of health care waste in dental practice Explain the concept of 'Entrepreneurship' Describe the qualities of a successful entrepreneur Describe the components of contract that a practitioner should look for before agreeing to sign a business contract Compare the various forms of business enterprises that can be adopted by the oral hygienist
Lo 3: Explain the various preventive, promotive, curative and rehabilitative interventions expected of the dental therapist	
Describe confidentiality and the right to informed consent as stipulated by the constitution of South Africa	Explain the legal aspects of confidentiality Explain how you would apply the law regarding disclosure of your patient's clinical records to the third party Explain the ethical aspects of informed consent Analyse the process of informed consent

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**		**ITS Course Level**		**CESM Code (3rd Order) (Six Numbers)**
	8		3		091901
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		Full Time		**Year**
Periods per week:	**Classes Contact & Remote/online**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning (including e-learning)**
	1	N/A	N/A	1	Y
Pre-requisite modules for this module:	N/A				
Co-requisites modules for module:	All first year modules				
Assessment strategy	**Formative and Continuous Assessment Methods**: Quizzes, Reflections, Short Answer Questions, MCQ, True or False, Match best answer, Assignments, Reports				

	Summative Assessment Methods: Short Answer Question, MCQ, Match best Answer, True or False					
Internal Moderation	YES					
External Moderation	YES					
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%			
	Final Mark	% Continuous Assessment Mark	60%			
		% Summative Assessment Mark	40%			
	Minimum final mark to pass (%)		50%			
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**	
	Theory/practical	Theory	N/A	N/A	N/A	
	Duration	3	N/A	N/A	N/A	
	% contribution to Summative Assessment Mark	40%	N/A	N/A	N/A	
	Sub minimum	40%	N/A	N/A	N/A	

MODULAR INFORMATION						
Department:	INTEGRATED CLINICAL DENTISTRY		**School:**	DENTISTRY		
Last Revision date:	2024		**First Year Offered (New):**	2022		
Replace this Module existing module(s)?	YES		**If YES, give the module codes:**	**META030, MCDA030**		
Module linked to Qualification/s:	BDT02	BOH02				
Migration Strategy:	(If YES, Section G must also be completed)					
Module Code (4 alphabetic & 3 numeric)	**MICD030**					
Module Name	**INTEGRATED CLINICAL DENTISTRY III**					
NQF Level of this module	8					
Purpose of the module	The purpose of this module is two-fold: **Ethics**: to empower the learner to establish a sound knowledge regarding professional ethics, human rights and medical law. It highlights key issues that relate to education to improve professional conduct.It focuses on ensuring quality healthcare. **Practice Management**: The learner gains fundamental principles of ethically running and managing a small business like a dental practice. All these information is relevant for a health professional, as part of a health team in the South African context.					
Content (list topics):	**Unit 1: Bio-Ethics, Human Rights and Health Law:** Research Ethics; Use of human tissue; Human rights and health law; Health as a Right; South African Constitution & the Bill of Rights; Ethical Issues Pertaining to Genetic Information and Testing; Health and the environment. **Unit 2: Professional Ethics:** biomedical research on humans, the law and guidelines regarding organ donation, genetic information and testing in South African context. Environmental education in health-care practice and the importance of health care waste management in a dental practice. Business Ethics-ethical dilemmas, Supersession, Batho-pele principle, Hippocratic Oath and Scope of Practice. Law and guidelines regarding human rights in South Africa.					

<table>
<tr><td></td><td colspan="6">Unit 3: Practice Management in Dentistry:
Management of Quality: Quality Assurance benchmarks and standards in a dental practice setting
Managing the daily business in dental practice: operational documents, procedures and protocols that are followed daily in a dental practice in order have a day-to-day smooth running successful dental practice.
Introduction to Human Resource Management: employment strategies related to the human resource of a dental practice business.
Introduction to Financial Management in dental practice:
Introduction to Marketing Management: ethical marketing of a dental practice business
Newly Qualified Dental Therapist/Oral Hygienist Commencing Practice
Primary Emergency Care Training: manage medical emergencies that might happen during clinical time</td></tr>
<tr><td>Exit Level Outcomes addressed by this module</td><td colspan="6">▪ Apply the principles of ethics, relevant legislation, and professional behaviour within the oral healthcare milieu"
▪ Recognise and appropriately respond to ethical, legal and human rights issues and dilemmas encountered in practice and not be influenced by political pressure
▪ Identify and use opportunities for advocacy, health promotion and disease prevention with individuals to whom they provide care, incorporating ethical and human rights principles
▪ Apply the management principles in a clinical oral healthcare environment
▪ Know oral health policies, services and human resources in South Africa
▪ Know relevant regulations and legislation related to the oral health profession
▪ Demonstrate computer literacy through effective use of practice and patient management software in clinical situations in the preparation and presentation of assignments</td></tr>
<tr><td rowspan="5">Teaching and Learning Activities (contact lecture; remote lecture; practical demonstration; synchronous/semi-synchronous/asynchronous e-learning activities; online discussion forum; group work; self study; etc.

Indicate the proportion of each in a table format by using percentages</td><td>Time Estimation</td><td>Face-to-face contact sessions</td><td>Blackboard LMS Activities</td><td>Non-LMS Independent Learning, inc. Assignments</td><td>Assessment</td><td>Practicals & Other Activities (Specify)</td></tr>
<tr><td>Learning Time Percentage Split</td><td>37,5%</td><td>30%</td><td>30%</td><td>2.5%</td><td>-</td></tr>
<tr><td>Total Notional Hours estimations (over 80hrs)</td><td>37hrs 48min</td><td>16hrs 12min</td><td>24hrs</td><td>2hrs</td><td>-</td></tr>
<tr><td>Notional Hours per Week Estimations</td><td>1hr</td><td>27min</td><td>40min</td><td></td><td>-</td></tr>
<tr><td colspan="6">8 Credits = 80 notional hours</td></tr>
<tr><td>Work integrated Learning/clinical practice</td><td colspan="6">N/A</td></tr>
<tr><td>Total credits for WIL</td><td colspan="6">N/A</td></tr>
<tr><td>Level at which WIL commences and tabulate the programme/blocks</td><td colspan="6">N/A</td></tr>
<tr><td>Prescribed/recommended texts</td><td colspan="6">Ethics
Dhai, A., & McQuoid-Mason, D. 2011. Bioethics, Human Rights and Health Law. Principles and Practice. Juta & Company Ltd.
Moodley, K. 2017. Medical Ethics, law and human rights (A South African perspective). 2nd Edition. Van Schaik
HPCSA – Guidelines for good practice in the health care profession. Booklet 2</td></tr>
</table>

	www.dpsa.gov.za www.localgovernmentaction.org www.hpcsa.co.za **Practice Managemen** Recommended text books: • Joubert, D. 2000. Practice made perfect. A management handbook for South African doctors. Health and Medical Publishing Group. South African Medical Association. • Finkbeiner B. L and Finkbeiner C.A. 2016. Practice management for the dental team (8th Edition) Mosby Elservier • Mossey, P.A., Holsgrove, G.J., Stirrups, D.R., & Davenport, E.S. 2006. Essential skills for dentists. 1st Ed. Oxford University Press. Oxford: London

Learning outcomes	Assessment Criteria
Use of human tissue Discuss ethical issues pertaining to genetic information and testing. Describe the legal and ethical authorisation of organ donation. Discuss legal and ethical implications of the use of human tissues.	Explain the ethical aspects in respect to the use of human tissue. Discuss the legal position in the removal of tissue from living persons and dead bodies. Explain the consent procedures for removal of tissue from dead bodies. Provide an argument for and against the payment for organs.
Human rights and health law Understand human rights and their importance in society Recognise the various international human rights frameworks Understand the difference between civil, political, economic and social rights Explain the relationship between biomedical ethics and aspects of human rights that affect health.	Define human rights and their importance in society Explain of the key principles of human rights Differentiate between civil, political, economic and social rights Discuss the relationship between human rights and the principles of biomedical ethics (autonomy, beneficence, non-maleficence and justice)
Health as a Right Define health as a human right Understand the social, economic, and political determinants of health. Understand the role of oral healthcare practitioners in promoting and protecting the right to health Understand the limitations of rights	Demonstrate knowledge and understanding of the concept of health as a right Evaluate the role of oral healthcare practitioners in promoting and protecting the right to health Discuss limitations of rights Analyse the impact of social, economic, and political factors on health outcomes
South African Constitution & the Bill of Rights Analyse the key provisions of the Constitution and the Bill of Rights which impact on healthcare Understand how the principles of biomedical ethics are recognized in the Constitution and the Bill of Rights Evaluate the role of the Constitution and the Bill of Rights in promoting and protecting human rights in South Africa	Analyse the key provisions of the Constitution and the Bill of Rights that focus on healthcare Explain how the principles of autonomy, beneficence, non-maleficence and justice are recognized in the Constitution and the Bill of Rights Evaluate the effectiveness of the Constitution and the Bill of Rights in promoting and protecting human rights in South Africa
Research Ethics Understand the principles of research ethics Discuss the ethical issues addressed in the Declaration of Helsinki Differentiate between Therapeutic and Non-therapeutic research Understand informed consent and vulnerability in research Discuss and apply critical subjects/themes highlighted in the Government Notice R719 "Regulations Relating to Research with Human Participants"	List and explain the basic principles of ethical research Analyse and evaluate ethical issues that arise in different types of research and the ethical issues addressed in the Declaration of Helsinki Differentiate between Therapeutic and Non-therapeutic research Explain the 3 categories of research behaviour Explain the regulatory framework for dealing with allegations of

Recognize categories of research behaviour Explain the regulatory framework for dealing with allegations of research misconduct in SA	research misconduct in SA Discuss the consequences of research misconduct Critically analyse case studies and identify and discuss the various forms of research misconduct
Ethical Issues Pertaining to Genetic Information and Testing Understand the ethical issues that arise in genetic information and testing To understand the legal framework relating to the use of human tissue in SA Relate the ethical concepts of consent and confidentiality to the use of human tissue for therapeutic and/or research purposes Understand the role Research Ethics Committees play in regulating biomedical research involving human tissue	Identify the ethical issues that arise in genetic information and testing Explain the legal framework relating to the use of human tissue in SA Relate the ethical concepts of consent and confidentiality to use of human tissue for therapeutic and/or research purposes Discuss the role Research Ethics Committees play in regulating biomedical research involving human tissue
Health and the environment Analyse environmental and global issues. Review the impact that health care waste has on the environment	Describe the interrelations between health care waste and the environment Analyse the HPCSA's guidelines related to protecting and preserving the environment and apply these to the clinical setting as appropriated
Batho - pele Principles Explain the meaning of Batho-pele Discuss the principles of the Batho-pele Describe the ethical implications of Batho-pele in healthcare	Identify the Batho-pele principles. Summarize the significance of Batho-pele with respect to service delivery Discuss ethical implications of the principles relating to service delivery. Analyse the concept and application in the healthcare setting.
Supersession Define the term "supersession" Understand the code of conduct pertaining to the concept of supersession Apply the concept of Supersession in a clinical setting	Describe the concept, Supersession Explain the essence of supersession in the healthcare field. Outline the legal implications of Supersession Apply the concept of supersession in clinical setting
Business Ethics Define Business Ethics Discuss the importance of Business Ethics in society Relate the impact of Business Ethics in healthcare	Define Business Ethics Describe ethical factors essential in Business Ethics Identify some situations where potential conflict of interest can arise in the health care context Explain how a practitioner can avoid conflict of interest in the health care practice. Define perverse incentives and improper financial gains Apply the principles of Business Ethics in healthcare
Scope of Practice Describe and differentiate the scope of practice of each member of the oral health team Analyse the legal implications of the scope Apply the significance of the scope of practice to clinical setting	Outline the medical implications of the scope Discuss the legal implications of the scope
The newly qualified dental therapist/oral hygienist - commencing practice Explain key issues that need research before commencing business. Discuss analysis that is required before commencing business.	Identify the questions you need to ask in order to decide your readiness for private practice Demonstrate how you would perform a viability assessment before commencing a dental practice
Principles of Management Discuss the principles of management according to Henry Fayol Interpret the skills required of a manager in dentistry Apply management and leadership styles in dental practice	Describe the basic principles that a manager needs in order to run an organization List and discuss the skills required of a manager Discuss leadership/management styles that may be useful to you as

Apply Quality Assurance benchmarks and standards in a dental practice setting Explain Customer expectations and perceptions	a leader of a dental team Apply the 8 principles on which the management of quality is based to the management of a dental practice Explain the use of various Quality Assurance benchmarks and standards and choose a suitable benchmark to use in a dental practice Examine factors that lead to customer satisfaction and explain how quality assurance measures can be used to enhance such
Introduction to strategic financial management Discuss short-term and long-term strategies that are critical to build a dental practice Describe short-term and long-term processes that are necessary to sustain a dental practice.	Identify short and long-term strategies to sustain a practice. Explain the vision and mission of the practice which relates the values of the business Discuss possible policies, protocols and procedures that need to be documented in order to have an efficient and effective administration in running dental practice on a day-today basis.
Marketing a dental practice Analyse how marketing your practice within the legal and ethical parameters can play a role in your success as a practice owner	Discuss the importance and relevance of marketing and how it applies to the ethical aspect of a dental practice. Management. Explain the differences between external and internal marketing in a dental practice and how marketing differs from advertising. Review the use of an internal marketing strategy as a quality assurance measure in a dental practice. Assess and analyse the ethical and legal marketing strategy of a dental practice.
Managing processes, procedures and leading people Show and understanding of daily operational and protocol procedures that you would follow in order to run a successful dental business.	Discuss all possible policies, protocols and procedures that need to be documented in order to have an efficient and effective administration in running a dental practice on a day-to-day basis. Develop a checklist document to be used for quality assurance measures and as an effective system that will allow your practice to run smoothly.
Employment strategies Discuss the processes of staff recruitment, selection, retention and development and how the South African labour laws play a role in human resource management	Review the processes to be followed in a dental practice to attract the relevant staff. Describe the acts, which are relevant to the various aspects of employing staff in a dental practice. Explain the rules and regulations that an employer need to communicate with employee, as far as the human resource policies of the practice are concerned. Explain processes relating to labour disputes with employee. Review design of advertisement for recruitment of a new staff member to a practice Discuss template of a Curriculum Vitae (CV)
Policies and CV writing Knowledge of the basic accounting terms, practice financing and managing practice finances	Use the correct terminology to discuss financial matters that may arise on a day- to- day running of a dental practice. draw up and interpret a simple income statement and balance sheet for a dental practice Design a business plan for your practice and explain why a dental practitioner has to draw up a business plan. Explain the relationships that you would need to maintain between you and the financial institutions (lenders) and you and SARS
Primary Emergency Training Demonstrate an understanding of emergency scene management (ESM)	Maintain personal safety Safeguard the emergency scene

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	8	3	091901
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**

	SMU		Full Time (contact)		**Y**
Periods per week:	**Classes Contact & Remote/online**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning (including e-learning)**
	Contact & Online	N/A	N/A	2	Y
Pre-requisite modules for this module:	Integrated Clinical Dentistry I & II				
Co-requisites modules for module:	All BDT2/BOH2 Modules				
Assessment strategy	**Formative& Continuous Assessment Methods:** • Assignment Business Plan, Short Answer Questions, Short Essays, Best Answer, MCQ, True or False **Summative Assessment Methods:** Short Answer Questions, Short Essays, Best Answer, MCQ, True or False				
Internal Moderation	YES				
External Moderation	YES				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final Mark	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory/practical	Theory	N/A	N/A	N/A
	Duration	3 hours	N/A	N/A	N/A
	% contribution to Summative Assessment Mark	60%	N/A	N/A	N/A
	Sub minimum	40%	N/A	N/A	N/A

MODULAR INFORMATION						
Department: INTEGRATED CLINICAL DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2023			**First Year Offered (New):** 2015			
Replace this Module existing module(s)?			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	**MCDB020**					
Module Name:	**INTEGRATED CLINICAL DENTISTRY II**					
Content:	**This module is composed of SIX (6) Learning UNITS:** **UNIT 1: Dental Assisting (Four - handed Dentistry)** The Unit introduces the student to clinical platform in Minor Oral Surgery, Orthodontics, Endodontics and Integrated Clinical Dentistry. Different materials and instruments /equipments used in dentistry, practice the techniques to use these equipments. Management of pain and anxiety in dentistry. Chairside clinical management of the patient- various chair-side working zones including transfer of instruments and patient positioning. Students will observe and assist their senior peers during clinical					

	patient management sessions. **UNIT 2: Patient-Centred Interviewing/Patient Centred Communication** Patient-centred communication as a means to gather information from the patient, to share information with the patient and to build strong practitioner-patient relationship. This skill will be learned in the second semester through role-playing with peers and standardised patients (SP) and in the clinical platform when assisting their senior peers. Students will practice the skill to interview the patient, to share bad news with the patient. Self-assessment, peer assessment and SP feedback will be used to help individual student to improve communication skill. Clinical skills Lab is used for the simulation practice of the skill **UNIT 3: An introduction to the pathogenesis of dental caries** Basic knowledge of the development, classification and prevention of dental caries. Modern theories proposed about the pathogenesis of dental caries **UNIT 4: Integrated Problem based Learning: (Case based learning)** Case –based clinical exposure to clinical situations that students may encounter during their training, use of research to solve these situations/problems and integration of different disciplines in dentistry for comprehensive patient management. The Unit aims to enhance team-work, to develop self-directed learning, to enhance problem – solving skills and motivate individual student to make decisions for their own learning **UNIT 5: Pre-clinical Periodontics** Introduction to Periodontology as a discipline, basic knowledge of periodontal disease, prevention of the disease process, the use of toothbrushes, interdental cleaning devices, instrumentation in Periodontology and scaling and polishing techniques. This Unit will be presented as a series of exercises in the scaling and polishing of teeth on teaching manikins in the Phantom lab **UNIT 6: Preventative Dentistry** Caries risk assessment, development of primary preventive plan with emphasis placed on: dietary factors, mechanical and chemical plaque control, Fluoride and preventive resin restorations. Students will also be empowered to use effective communication for oral health education and oral health promotion. Communication of senstive information
Learning Outcomes	**At the end of this module the student should be able to :** **UNIT 1: Dental Assisting (Four-handed dentistry)** • Explain the causes of anxiety in dental patients. • Discuss the pharmacology of local anaesthetic, choose a specific anaesthesia for the patient, and recognise the signs of overdose • Describe the different techniques of administering local anaesthetic • Explain the use of different dental materials, appliances and elastics used in orthodontic treatment of malcoccuison • Describe the various working zones in dentistry for effective delivery of care and work in these zones by assisting senior students during clinical management of patients **UNIT 2: Patient-cenred Interview/Patient-centred communication** • Explain the concept of effective communication and Conduct patient-centred interviews while considering the ethics involved with each case **UNIT 3: An introduction to the pathogenesis of dental caries** • Describe the pathogenesis of dental caries, identify high risk patients for dental caries on circumstantial data provided by the patient and explain the principles involved in the prevention of dental caries **UNIT 4: Integrated Problem Based Learning (case-based learning)** • Acquire, analyse and apply information to solve the problem using good clinical reasoning skill • Work together with other members of the group/team in a positive and coherent manner

<table>
<tr><td></td><td colspan="5">UNIT 5: Pre-clinical Periodontics
• Describe the local factors and events contributing to the initiation and progression of periodontal disease
• Describe various categories of instruments used for treatment of periodontal disease

UNIT 6:Preventitive Dentistry
• Explain the principles of prevention of disease.
• Use effective communication for oral health education and oral health promotion</td></tr>
<tr><td rowspan="2">Module Information</td><td colspan="2">SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td>CESM Code (3rd Order)</td></tr>
<tr><td colspan="2">24</td><td colspan="2">3</td><td>090302</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">FT</td><td>Y</td></tr>
<tr><td rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>6</td><td>4</td><td></td><td></td><td>Yes</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td>Assessment Criteria</td><td colspan="5">At the end of this module the student should be able to:

UNIT 1: Dental Assisting (Four-handed dentistry)
• Discuss the management of an anxious patient
• Discuss the composition, effect and fate of local anaesthetic solution. Select specific anaesthetic for the patient. Discuss the toxic and anaphylactic side effects of local anaesthesia
• Demonstrate techniques of giving local anaesthesia
• Explain the use of different dental materials, appliances and elastics used in orthodontic treatment of malcoccuison
• Describe the various working zones in dentistry for effective delivery of care and work in these zones by assisting senior students during clinical management of patients
• Demonstrate safe positioning of patient on dental chair and demonstrate correct operator and assistant seated positions during dental treatment/procedure
• Discuss the relevance of different operative zones during dental treatment care

UNIT 2: Patient-centred Interview/Patient-centred communication
• Explain the concept of effective communication. Analyse and summarise the patient story to the patient's satisfaction

UNIT 3: An introduction to the pathogenesis of dental caries
• Describe the pathogenesis of dental caries, identify high risk patients for dental caries on circumstantial data provided by the patient and explain the principles involved in the prevention of dental caries

UNIT 4: Integrated Problem Based Learning (case-based learning)
• Show information acquisition skills when solving problems, analyse and apply information to solve the problem using good clinical reasoning skill
• Work together with other members in a positive and coherent manner when solving problems
UNIT 5: Pre-clinical Periodontics
• Describe the local factors and events contributing to the initiation and progression of periodontal disease
• Describe various categories of instruments used for treatment of periodontal disease</td></tr>
</table>

	UNIT 6:Preventitive Dentistry • Explain the principles of prevention of disease. • Explain the obstacles to effective communication and to communicate sensitive information to patient in an ethical manner.
Assessment Methods	All the units and sub-units will be assessed individually. Written class tests, short answer questions, short essays, presentations, quizzes, assignments, reflections, reports, observation of skill practice, OSCE etc.

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Continuous Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION						
Department: INTEGRATED CLINICAL DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2023			**First Year Offered (New)** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	**MCDA030**					
Module Name:	**INTEGRATED CLINICAL DENTISTRY III**					

<table>
<tr><td>Content:</td><td>
Unit 1: Bioethics, Human Rights Law and Health Law (LEGAL)
• Practitioner - Patient relationship: Emotional Intelligence as core in the development of professional relationship with own patient. the legal aspect of maintaining confidentiality and duty to inform the patient
• Vulnerable populations: current ethical issues regarding the rights of vulnerable population, reproductive health and your role as health care provider to manage abuse
• Medical Malpractice and Professional Negligence: the legal implications of medical malpractice and professional negligence
• Virtue Ethics: virtue ethics in oral healthcare practice and in comparison with other principles
Unit 2: Professional Ethics (Jurisprudence) – ETHICAL
• Review of 1st year topics (FDI, Principles and core values of Ethics)
• Professionalisation in Health Care (HPCSA): Professional Ethics and to becoming an oral health care practitioner with a reputable code of conduct
• Patients' Rights Charter: patient care and responsibilities of patients in healthcare
Unit 3: Practice Management in Dentistry
• Basics of Management: basic management principles according to Henry Fayol, Principles and values for successful management of a dental practice time management, conflict management. Managerial levels, skills and roles. Leadership styles.
• Management of Health Care Waste: the importance of health care waste management in a dental practice.
</td></tr>
<tr><td>Learning Outcomes</td><td>
At the end of this module the students should be able to :
• Describe a good practitioner-patient relationship and discuss Emotional Intelligence (EI) as a core towards building a successful practitioner-patient relationship
• Explain the meaning of autonomous choice of patients and explain the ethico-legal elements of a valid informed consent
• Define the concept of 'confidentiality' and explain the law regarding access to clinical records
• Discuss vulnerability in healthcare and explain the role of oral healthcare practitioner to report abuse
• Describe the legal implications of medical malpractice and professional negligence
• Conceptualise the role of virtue ethics in oral healthcare provision
• State the goals and mission of HPCSA as a regulatory body in the health field
• Write a Medical Certificate according to the HPCSA regulations
• Analyze and evaluate the Patients' Rights Charter
• Describe the basic management principles according to Henry Fayol, discuss the values and basic principles required of a successful practice manager. Evaluate the principles of time management
• Discuss the various roles of Practitioner as dental practice manager, incl conflict management
</td></tr>
<tr><td>Module Information:</td><td>
<table>
<tr><th>SAQA Credits</th><th>ITS Course Level Code</th><th>CESM Code (3rd Order)</th></tr>
<tr><td>4</td><td>3</td><td>091901</td></tr>
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<tr><td>Delivery Information:</td><td>
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<tr><td>Periods per week</td><td>
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<tr><td>1</td><td>0</td><td>0</td><td>0</td><td>Y</td></tr>
</table>
</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td>MCDB020</td></tr>
<tr><td>Co-requisites modules for modul</td><td>All third year modules (BDS3 Modules)</td></tr>
<tr><td>Assessment Criteria</td><td>
At the end of this module the student should be able to:
• Discuss the factors that oral health practitioner should consider in developing a good rapport with patients. Explain how you would apply Emotional Intelligence (EI) to establish
</td></tr>
</table>

	and maintain a healthy professional relationship with your individual patient • Describe the ethical and legal aspects of autonomous choice of patients and informed consent. Discuss the elements of a valid informed consent process • Define the concept of confidentiality and Explain how you would apply the law regarding disclosure of your patient's clinical records to the third party • Explain vulnerability in healthcare and Explain your role as health care provider in identifying signs of abuse and reporting abuse • Discuss medical practice and professional negligence in clinical setting • Explain the significance of the virtues of compassion, trustworthiness, integrity, discernment, conscientiousness and facilitative attitudes in the practice of good health care • Describe the goals and mission of HPCSA as the regulatory body in South Africa • Design and interpret a medical certificate for your patient • Describe and interpret the Patients' Rights Charter and apply the charter to clinical practice • Describe the basic principles or functions of management according to Henry Fayol. Describe the basic values and principles that a manager needs in order to run a business, Discuss strategies to prevent every day stress of running late • Appraise the principles of managing conflict or patient's complaints in a dental practice
Assessment Methods	Written tests: Short Answer Questions, MCQ, Match-best answer, True or False Assignment, Reports, Written assignment, Quizzes

Mark Structure:	Minimum Form Assessment Mark for Promotion/To Pass (%)		50%
	Final mark =	% Continuous Assessment Mark	100%
		% Summative Assessment Mark	N/A
		Minimum Mark For Supplementary (Re-assessment)	45%
	Minimum Final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Not applicable			
	Duration	Not Applicable			
	% of Exam Mark	Not Applicable			
	Sub minimum	Not Applicable			

MODULAR INFORMATION						
Department: INTEGRATED CLINICAL DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2023			**First Year Offered (New):** 2013			
Replace this Module existing module(s)?			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	**MCDA040**
Module Name:	**INTEGRATED CLINICAL DENTISTRY IV**
Content:	**Unit I: Research Methodology-** Introduction to theory of research methodology, questions, approaches and designs. Development of Research Protocol for a small research project **Unit II: Ethics (Research, Global Environment, Human Rights):** biomedical research on humans, the law and guidelines regarding organ donation, genetic information and testing in South African context. Environmental education in health-care practice and the importance of health care waste management in a dental practice. Business Ethics-ethical dilemmas,

	Supersession, Batho -pele principle, Hippocratic Oath and Scope of Practice. Law and guidelines regarding human rights in South Africa. **Unit III: Practice Management in Dentistry:** ***Principles of Management:*** apply management and leadership concepts learned in BDS 3 in the context of running a dental practice. ***Managing the daily business in dental practice*:** operational documents, procedures and protocols that are followed daily in a dental practice in order have a day-to-day smooth running successful dental practice. ***Introduction to Human Resource Management***: employment strategies related to the human resource of a dental practice business. ***Introduction to Financial Management in dental practice:*** The structure of a typical budget for an existing and a new dental practice ***Introduction to Marketing Management:*** ethical marketing of a dental practice business ***Dental Practice Business Plan:*** putting together management functions to design a dental practice business plan ***Newly Qualified Dentist Commencing Practice:*** various issues that need to be considered when deciding on a form of business enterprise in which to practice the dental profession, steps to be followed when buying an existing practice and the principles of dental practice design
Learning Outcomes	**At the end of this module the students should be able to:** **UNIT 1: Research Methodology** • Conduct a relevant literature search and write an appropriate literature review • Prepare a protocol for approval by Research Ethics committee **UNIT 2: ETHICS** • Describe the issues addressed in the Declaration of Helsinki • Critically analyze case studies, identify and discuss the various forms of research misconduct • Describe the law on organ donation from the living and deceased persons in South Africa • Reflect on values of fairness, equality and justice • Explain the responsibilities of health care provider according to South African Bill of Rights • Interpret the HPCSA Guidelines on protecting & preserving the environment. • Explain ethical dilemmas that a dentist can be faced with as a dental practice business owner • Discuss the Batho-pele principle and the ethical implications therof • Define the concept "Supersession" and discuss the code of conduct pertaining to the principle • Outline the philosophy of the Hippocratic Oath and its significance in the health field • Describe the professional limitations of general dental practitioners • Discuss the conceptual framework of human rights and its relationship to health **UNIT 3: Practice Management in dentistry** • Discuss the principles of management according to Henry Fayol • Describe operational documents, procedures and protocols of an organization/dental practice and demonstrate knowledge of daily appointment schedule and scheduling patients • Explain the process of planning, recruiting and employing members of a dental team and describe various labour law Acts that relate to various aspects of employing staff in your dental practice • Define various financial and accounting terminologies, describe the components of Financial statement AND develop a typical budget for a new and an established dental practice • Compare and contrast marketing and advertising of a dental practice, explain the concept of relationship marketing and reflect on the necessity of the dentist to market a dental practice • Apply the step-by-step process in a development of business plan

<table>
<tr><td></td><td colspan="5">• Compare the risks and benefits of practicing alone as a dentist or with colleagues in different forms of business enterprises available to dentists. State and describe relevant bodies to dental practice business</td></tr>
<tr><td rowspan="2">Module Information:</td><td colspan="2">SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td>CESM Code (3rd Order)</td></tr>
<tr><td colspan="2">8</td><td colspan="2">3</td><td>090302</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">FT</td><td>Y</td></tr>
<tr><td rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>3</td><td>0</td><td>0</td><td>0</td><td>Yes</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5">ICLD301/MCDA030</td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5">All fourth year modules (BDS 4 Modules)</td></tr>
<tr><td>Assessment Criteria</td><td colspan="5">At the end of this module, the student should be able to:
UNIT 1: Research Methodology
• Analyse and evaluate literature relevant to the study
• Write a protocol acceptable by a recognised Ethics Committee
UNIT 2: ETHICS
• Discuss the issues addressed in the Declaration of Helsinki
• Analyse case studies and critique various forms of research misconduct
• Explain the law regarding organ donation of live and deceased individuals
• Describe the values of fairness, equality and justice
• Discuss various roles and responsibilities of health care provider
• Explain the HPCSA Guidelines on protecting and preserving the environment
• Identify situations where conflict of interest might arise in the health care context
• Analyse and apply the concept of ‘Batho-pele’ in the oral health care setting
• Define the concept of ‘supersession’ and outline the legal implications of supersession
• Analyse the legal implications of the Hippocratic Oath
• Outline the medical and legal implications of the scope of practice
• Describe the conceptual framework of human rights and its relationship to health
UNIT 3: Practice Management in dentistry
• Describe the basic principles that a manager needs in order to run an organization
• Describe all possible policies, protocols and procedures that need to be documented in order to have efficient and effective administration of the practice on a day-to-day basis
• Explain the processes you would follow to attract the relevant staff to your dental practice business and Draw up an advertisement for recruitment of new staff member to your dental practice
• Define different financial and accounting terms/terminologies, describe and interpret subsections of the financial statement for a dental practice AND draw up a budget for a new or an established dental practice and explain the importance of budgeting and the final document
• Compare and Contrast Marketing and Advertising of a dental practice, explain the concept of relationship marketing AND justify the importance of marketing in dentistry
• Design a business plan for your dental practice
• Compare the pros and cons of starting a new dental practice business to other forms of business enterprise</td></tr>
<tr><td>Assessment Methods</td><td colspan="5">Assignment Research Protocol and Business Plan, Short Answer Questions, Short Essays, Best Answer, MCQ, True or False</td></tr>
<tr><td rowspan="3">Mark Structure:</td><td colspan="2">Minimum Form Assessment Mark for exam admission (%)</td><td colspan="3">40%</td></tr>
<tr><td rowspan="2">Final mark =</td><td>% Continuous Assessment Mark</td><td colspan="3">60%</td></tr>
<tr><td>% Summative Assessment Mark</td><td colspan="3">40%</td></tr>
</table>

	Minimum final mark to pass (%)			50%	
		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION REQUIRED						
Department: INTEGRATED CLINICAL DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2023			**First Year Offered (New):** 2015			
Replace this Module existing module(s)?			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	MICL010					
Module Name:	INTEGRATED CLINICAL DENTISTRY I					
Content:	This module is presented in 6 UNITS **UNIT 1: Introduction to Dentistry** The Unit aims to introduce students to various disciplines in oral health and their integration in provision of holistic patient care. The methodology of case based learning will be used in this UNIT according to the principles of outcome based learning and will be assessed as such. Students will be exposed to problem solving, information search, analysis, critical thinking, and clinical management of the patient through case based discussions, they will learn in teams with peers in oral health. **UNIT 2: Dental Assisting I** The purpose of this unit is to introduce students to four-handed chairside assisting by presenting students with an elementary knowledge of the principles of patient management, dental charting (records), restorative materials, instruments, seating positions of both the patient: operator and the transfer of dental instruments during dental treatment procedure. Students will practice these skills on manikins in the phantom lab **UNIT 3: Laboratory procedures** The purpose of this UNIT is to introduce students to the rules regarding the use of the laboratories and the basic laboratory procedures **UNIT 4: Professionalisation** ***Subunit 4.1: Ethics, Medical Law and Human Rights*** The Unit will provide an overview of philosophy ethics and medicine. Is to empower students to build moral arguments and to introduce students to ethical theories of bioethics and sources of South African Law. Student will learn about the ethical and legal issues in compiling patient documentation in preparation for their first encounter with their real patients ***Subunit 4.2: Professional Ethics*** The purpose of this unit is to help the student understand the background of their profession, the importance of Professional Ethics and its relevance in the health care profession, FDI. The student will be empowered to apply the principles and values of Ethics when treating their patients and to develop professional attitudes towards peers and patients **UNIT 5: Primary Emergency Care Training** The Primary Emergency Care (PEC) is first aid presented to students entering a practical learning environment or work based experience in their different fields of study. The program is there to prepare the student for emergencies that might happen during that time, it is not a formal first aid course. **UNIT 6: Inter-professional Studies** The Unit aims to introduce students to various health care professions and promote						

<table>
<tr><td></td><td colspan="5">collaborative learning in teams with peers from different cultural and health professional backgrounds. The focus at this level will be on Management of Cultural differences and Diversity, empowering students to manage conflict in teams of different backgrounds, age, race, gender, language etc</td></tr>
<tr><td>Learning Outcomes</td><td colspan="5">At the end of this module student should be able to:
• Describe the various disciplines in oral health care and describe the role of the Dentist as a member of the multi-disciplinary team
• Demonstrate the correct seating position of the patient(manikin) and operator during dental treatment procedure Describe various working zones
• Describe the charting symbols and complete the examination forms correctly.
• Explain the procedure of taking alginate impression of dentate mouth/(peer)
• Describe the relation between medical law and ethics, explain the concepts of morality and ethics, health record, moral theory and confidentiality. Describe different ACTS that form legal framework in South Africa
• Define bioethics, the historical background of professional ethics, values and principles of ethics, FDI. Explain the significance of professional attitudes in oral health care profession
• Demonstrate an understanding of emergency scene management (ESM) and manage medical emergencies
• Apply legal and ethical responsibilities of PEC
• Work together with other students in inter-professional teams. Describe the concepts of difference/diversity, identity, privilege, own bias and prejudice, and power/power imbalance at play in relationships with patients, peers and colleagues across the healthcare systems</td></tr>
<tr><td rowspan="2">Module Information:</td><td colspan="2">SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td>CESM Code (3rd Order)</td></tr>
<tr><td colspan="2">32</td><td colspan="2">3</td><td>090301</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">FT</td><td>Y</td></tr>
<tr><td rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>7</td><td>2</td><td></td><td></td><td>Yes</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5">None</td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5">None</td></tr>
<tr><td>Assessment Criteria</td><td colspan="5">At the end of this module the student should be able to:
• Work together with other members in a positive and coherent manner when solving problems
• Demonstrate seated position of patient and operator during treatment procedure. Name working zones during treatment procedure
• Identify symbols and complete charting sheets and file records appropriately, (Demonstrate the ability to fill out the various examination forms correctly.)
• Describe the laboratory procedures regarding the taking of impression using alginate material
• Describe the interplay between medical law and medical ethics, explain the concepts of morality and ethics, health record, moral theory and confidentiality. Describe different ACTS that form legal framework in South Africa
• Define bioethics, the historical background of professional ethics, values and principles of ethics, FDI. Explain the significance of professional attitudes in oral health care profession
• Maintain personal safety and Safeguard the emergency scene. Describe legal and ethical responsibilities of a primary emergency care giver</td></tr>
</table>

	• Display capacity to communicate and work effectively in inter-professional team in a positive and coherent manner. Define and explain the concepts of difference/diversity, identity, privilege, own bias and prejudice, and power/power imbalance at play in relationships with patients, peers and colleagues across the healthcare systems
Assessment Methods	Written class tests- Multiple Choice Questions (True/False, Choose the correct answer, Best Matching Answer), reflective writing, presentations, self-assessment, peer-assessment quizzes, assignments (individual/group), reports, practicals, observation, Portfolio of Evidence (POE), OSCE etc

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40% in each UNIT
	Final mark =	% Continuous Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		One Combined mark for Paper 1 and 2		Paper 3	Paper 4
		Paper 1	Paper 2		
Summative Assessment Paper:	Theory / Practical	Theory	OSCE	n/a	n/a
	Duration	3hrs	1 hour		
	% of Exam Mark	70%	30%		
	Sub minimum	40%	50%		

MODULAR INFORMATION						
Departments: ANAESTHESIOLOGY, GENERAL SURGERY AND INTERNAL MEDICINE				**School:** MEDICINE		
Last Revision date: 2017			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module code:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MAAA032
Module Name:	INTERNAL MEDICINE, GENERAL SURGERY AND ANAESTHESIOLOGY
Content:	An integrated course covering the following disciplines: Internal Medicine The course consists of systematic and clinical tuition and is presented by the School Medicine. Students are introduced to internal medicine and its effects on dental practi by means of lectures and demonstrations General Surgery The course consists of systematic and clinical tuition by the Department of Surgery, Sch of Medicine on diagnostics in General Surgery and General Principles of Surgery. Topi History taking; Basic physical signs, swelling and ulcers; Skin and soft tissue examinati Head & Salivary glands; Neck swellings excl. thyroid; Hernia and abdominal examinati Cardiovascular system; Venous system conditions; Thyroid: Benign conditions; Thyro Hyper-thyroidism; Post-operative complications; Wounds; Diabetes in surgery; Sho Inflammation, infection and antibiotics; Management of the injured patient; Multi Trauma; Abdominal injuries; Metabolic response to trauma: Effect on nutritional status a nutrient requirements; Vascular injuries; Arterial disease; Venous disease and lymphatic Anaesthesiology The course, consists of systematic, clinical and practical tuition related to pati assessment Prompt and accurate diagnosis and application of anaesthetics related to Oral Hea

	Sciences.				
Learning Outcomes	Module: Internal Medicine Student should be able to explain the effect on practice of dentistry with regard medi conditions e.g. blood pressure, diabetes, and other disease – effect on practice dentistry Module: General Surgery Student should be able to gather necessary information to make a correct diagnosis befo embarking on dental therapy Student should be able to understand the General Principles of Surgery on conditions stated in the Surgery Module above Module: Anaesthesiology Student should be able to know contra indications of general anaesthesiology and ha experience in administration general anaesthesia Student should be able to give general anaesthetic for minor surgical operation				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	20		3		090723
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		S2
Periods per week: 18 weeks Anaesthesiology	**Classes**	**Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**
	3x40 min	5x4hr for 1 week	None	None	4
Periods per week: 18 weeks Internal Medicine	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2x40 min	None	None	None	4
Periods per week: 18 weeks General Surgery	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2x40 min	None	None	None	4
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria	The student must correctly diagnose and refer internal medicine cases related to Oral Health Sciences correctly and treat the oral health conditions accordingly. Students must prove that they can make correct diagnoses in surgical cases related to Oral Health Sciences The student must correctly apply general knowledge in the application of anaesthetics related to Oral Health Sciences cases. Successful general anaesthetic (theory and clinical) Monitor patient before, during, and after anesthesia and counteract adverse reactions or complications. Record type and amount of anesthesia and patient condition throughout procedure. Obtain medical history.				
Assessment Methods	Written tests and clinical observations				
Mark Structure:	Minimum Form Assessme Mark for exam admission (%)		40%		
	Final ma =	% Formative Assessment Mark	60%		
		% Summative Assessment Mark	40%		
	Minimum final mark to pass (%		50%		

Summative Assessment Pape		**Paper 1**			**Paper 4**
	Theory / Practical	Theory			
	Duration	3 hour			
	% of Exam Mark	100			
	Sub minimum	40%			

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2017			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MINM010				
Module Name:	INTRODUCTION TO MICROBIOLOGY				
Content:	Overview of infectious diseases of importance to Dentistry; bacteria, viruses and fungi; determinants of pathogenicity; host defense mechanisms against infection; infections of relevance to Dentistry; normal oral flora; oral Ecology; Microbiology and Immunology of caries and periodontal disease; dentoalveolar infections, bacterial, viral and fungal infections of oral soft tissue; infection control in Dentistry. The course will be presented as discussion classes with the opportunity for active learning, case presentations and small group discussions				
Learning Outcomes	Upon completion of the course students must be able to associate micro-organisms with the aetiology, pathogenesis and complications of common infective diseases encountered in general dental practice. They must also know and be able to implement infection control measures.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	8		3		090304
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		Y
Periods per week: = 33 weeks	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2 x 40 min	None	None	None	None
Pre-requisite modules for this module:	0				
Co-requisites modules for module:	0				
Assessment Criteria	Upon completion of the course students must be able to demonstrate that they know and understand the association of micro-organisms with the aetiology, pathogenesis and complications of common infective diseases encountered in general dental practice. They demonstrate their knowledge and skills in infection control.				
Assessment Methods	Formative assessments consist of class tests as well as three formal tests The summative assessment consists of a written examination.				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final	Year Mark	60%

	mark =	Exam Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION							
Department:	MAXILLOFACIAL ORAL RADIOLOGY				**School:**	DENTISTRY	
Last Revision date:	2021			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01						

Module Code: (4 alphabetic & 3 numeric)	MMXB020		
Module Name:	MAXILLOFACIAL AND ORAL RADIOLOGY		
Content:	**UNIT 1: RADIATION PHYSICS** Composition of matter, Nature of radiation, the x-ray machine, Production of x-rays, Factors influencing the x-ray beam, interactions of x-rays with matter. Radiographic contrast-Film contrast, Subject contrast, Film speed, Film fog Image receptors-Dental direct exposure film, Dental indirect exposure film, Film composition, Intra-oral film packet, Cassettes and screens The darkroom; Automatic processing procedure, Manual processing procedure, **UNIT 2: RADIATION BIOLOGY** Introduction, Radiation chemistry, Radiation effects at the tissue and organ level, Effects of whole body irradiation ,Dosimetry **UNIT 3: RADIATION SAFETY AND PROTECTION** Principles of exposure and dose reduction, principle of ALARA, protection of personnel, guidelines for the prescription of radiographs, quality assurance in Dental Radiography.		
Learning Outcomes:	At the end of this module the student will be able to: • apply the principles of radiation physics to the formation of x-rays, the workings of the x-ray machines and the different image receptors available to the dental team. • explain the effects of radiation on the biological systems. • explain the application of safety and protection measures in dental radiography • outline the guidelines for the prescription of radiographs • explain the application of quality control procedures in dental radiography		
Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	16	3	090399
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week:		**Classes**	**Practical**	**Tutorial**	**Seminars**	**Independent Learning**
		2x 40 min	0	None	None	None
Pre-requisite modules for this module:		All first year modules				
Co-requisites modules for module:		All BDS II Modules				
Assessment criteria		**The student will** • Discuss the principles of radiation physics as they apply to the formation of x-rays • Describe the workings of the x-ray machine • Explain the effects of radiation on the biological systems during diagnostic imaging and radiation accidents • Apply safety and protection measures during the performance of radiographic procedures • Apply guidelines for prescription of radiographs • Discuss the importance of quality assurance in radiography practice and design and apply quality assurance programs for the Dental Radiography department				
Assessment method		Tests, assignments, oral assessments, Formative assessment				
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)	No examination – promoted on year mark				
	% Formative Assessment Mark	100				
	% Summative Assessment Mark	0				
	Minimum final mark to pass (%)	50				

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical				
	Duration				
	% contribution to Summative Assessment Mark				
	Sub minimum				

MODULAR INFORMATION						
Department: MAXILLOFACIAL AND ORAL SURGERY			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** ~~2~~			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	MMXA030					
Module Name:	MAXILLOFACIAL AND ORAL SURGERY I					
Content:	Oral Surgery include; • Cardiopulmonary resuscitation • Principles of Surgery • Common Medical Emergencies in the dental practice					

<table>
<tr><td colspan="2"></td><td colspan="5">• Exodontia,
• Orofacial Infections and Surgical Endodontics
• Peri-radicular surgery and
• Oral Surgery in the Medically Compromised Patients</td></tr>
<tr><td colspan="2">Learning Outcomes</td><td colspan="5">By the end of this module students are able to;
• Manage medical emergencies that may arise in the dental clinic
• Perform extraction of teeth and removal of roots
• Manage complications of exodontia
• Understand odontogenic infections and spread thereof
• Manage complex orofacial infections
• Understand the principles of endodontic surgery
• Diagnose Unconsciousness and Altered consciousness ; recognize respiratory distress;
• Identify Neurological Medical Emergencies
• Know causes of acute chest pain
• Recognize drug related medical emergencies
• Manage dental patients with blood disorders and cardiovascular diseases
• Manage dental patients with endocrine disorders
• Recognize medical conditions related to other systems of the body in a dental patient</td></tr>
<tr><td colspan="2" rowspan="2">Module Information:</td><td colspan="2">SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td>CESM Code (3rd Order)</td></tr>
<tr><td colspan="2">12</td><td colspan="2">3</td><td>090308</td></tr>
<tr><td colspan="2" rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">FT</td><td>Y</td></tr>
<tr><td colspan="2" rowspan="2">Periods per week: 36 weeks</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>1x40 min</td><td>2 hrs</td><td>None</td><td>None</td><td>None</td></tr>
<tr><td colspan="2">Pre-requisite modules for this module:</td><td colspan="5">Applied Anatomy, Applied Physiology, Local Anaesthesia and Psychology</td></tr>
<tr><td colspan="2">Co-requisites modules for module:</td><td colspan="5">Microbiology, Pharmacology, General Surgery and Anaesthesiology</td></tr>
<tr><td colspan="2">Assessment Criteria</td><td colspan="5">• Perform dental extraction
• Extract teeth in a medically compromised patient
• Distinguish between an abscess and a cellulitis of the orofacial region
• Perform basic life support on a collapsed patient
• Diagnose and manage complications of dental extraction
• Place sutures following dental extraction</td></tr>
<tr><td colspan="2">Assessment Methods</td><td colspan="5">Assignments, written tests, OSCEs, clinical assessments</td></tr>
<tr><td rowspan="4">Mark Structure:</td><td colspan="2">Minimum Form Assessment</td><td colspan="5"></td></tr>
<tr><td rowspan="2">Final mark =</td><td>% Formative Assessment Mark</td><td colspan="5" rowspan="2">100%
0%</td></tr>
<tr><td>% Summative Assessment Mark</td></tr>
<tr><td colspan="2">Minimum final mark to pass (%)</td><td colspan="5">50%</td></tr>
<tr><td rowspan="5">Summative Assessment Paper:</td><td>Promotion module</td><td>Paper 1</td><td colspan="2">Paper 2</td><td>Paper 3</td><td>Paper 4</td></tr>
<tr><td>Theory / Practical</td><td>Not applicable</td><td colspan="2">-</td><td>-</td><td>-</td></tr>
<tr><td>Duration</td><td>-</td><td colspan="2">-</td><td>-</td><td>-</td></tr>
<tr><td>% of Exam Mark</td><td>-</td><td colspan="2">-</td><td>-</td><td>-</td></tr>
<tr><td>Sub minimum</td><td>-</td><td colspan="2">-</td><td>-</td><td>-</td></tr>
</table>

MODULAR INFORMATION							
Department: MAXILLOFACIAL & ORAL SURGERY				**School:** DENTISTRY			
Last Revision date: 2019				**First Year Offered (New):** 2015			
Replace this Module existing module(s)? YES				**If YES, give the module codes:** **MMXA040**			
Module linked to Qualification/s:	BDS01						

Module Code: (4 alphabetic & 3 numeric)	MMXA040
Module Name:	MAXILLOFACIAL AND ORAL SURGERY II
Content:	This is an advanced course in Maxillofacial and Oral Surgery and will comprise modules covering the following topics; Maxillofacial Trauma, Surgical Pathology, The Temporomandibular Joint and Oro-facial Pain, Preprosthetic Surgery and Dental Implantology, and Diverse Topics (Oral Cancer, Orofacial Clefts and deformities, Orthodontics and Oral Surgery, Orthognathic Surgery, Cryo- and Laser Surgery).
Learning Outcome	By the end of the module the student will be able to; • Evaluate and initiate primary care for a trauma patient • Diagnose Maxillofacial fractures (Mandible, Mid facial and Upper third of the face) • Make appropriate referral for the trauma patient

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	12	3	090308

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week: 33 weeks	**Classes**	**Practicals/ Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1x40 min	1 x 2 hrs		None	None

Pre-requisite modules for this module:	Oral surgery, Principles of General Surgery and Anaesthesiology
Co-requisites modules for module:	
Assessment Criteria	• Perform systematic clinical examination of a trauma patient • Distinguish fractures of the midface from those of the lower and upper third • Apply competent clinical skills with regard to diagnosis of tumours and cysts of the orofacial region • Discuss and name dental materials • Manage paediatric patients • Successfully perform endodontic procedures • Diagnose temporomandibular joint disorders • Select patients for implant prosthesis • Appropriately refer patients with craniofacial deformities
Assessment Methods	Written Tests, clinical assessments, OSCE, seminars and PBL,

Mark Structure:			
	Minimum Formal Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	OSCE	-	-
	Duration	3 hours	2 hours	-	-
	% of Exam Mark	50%	50%	-	-

MODULAR INFORMATION							
Department: Operative Dentistry				**School:** DENTISTRY			
Last Revision date: 2019				**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO				**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01						

Module Code: (4 alphabetic & 3 numeric)	MODA020				
Module Name:	OPERATIVE DENTISTRY I				
Module Content:	Pre-Clinical Direct Restorative Dentistry on the Phantom head				
Learning Outcomes:	The students will be able to prepare teeth for direct restorative techniques				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	8		3		090301
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		Full time		Y
Periods per Week: 36 weeks	**Classes**	**Clinical**	**Tutorial**	**Seminars**	**Independent Learning**
		1x2hr			
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	Continuous evaluation of theoretical and clinical work (AUCLP system)				
Assessment Methods:	OSCE and theory counts equally for the 1st and 2nd semesters. 1st and 2nd semester counts equally towards the year mark 1 theory test and 1 OSCE per semester. Clinical procedure assessment with the AULCP system				
Assessment Weighting:	**Min Formative Assessment mark** for exam admission (%).				
	Final mark =	% Formative Assess Mark			100%
		% Summative Assess Mark			
	Min Final Assessment mark to pass (%). The 2 osces and 2 tests (1 osce and 1 test per semester) counts equally to the final year mark that is then also the final pass or fail mark)				50%

Summative Assessment Paper:		**Paper 1**		**Paper 3**	**Paper 3**
	Theory / Practical				
	Duration				
	Sub minimum				

	% Distribution of summative assessment				

MODULAR INFORMATION						
Department: Operative Dentistry					**School:** DENTISTRY	
Last Revision date: 2019			**First Year Offered (New):** 2021			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDT02					

Module Code: (4 alphabetic & 3 numeric)	MODB020
Module Name:	OPERATIVE DENTISTRY I
Module Content:	Students will receive a preclinical course on direct restorative dentistry and direct restorative materials on the Phantom head during the course of the year. Each student will be personally assessed by teaching staff members as to see whether they have the ability to master different preclinical procedures. The student must also have satisfactorily completed all the procedures on a phantom head before they can be allowed to proceed to clinical years. Students must have attended all clinical demonstrations during the course of the year. **Unit 1**: Operative Dentistry as a dental discipline. **Unit 2**: Dental nomenclature. **Unit 3:** Anatomical and macroscopic landmarks of teeth. **Unit 4**: Chronology of teeth. **Unit 5**: Morphology of permanent teeth. **Unit 6:** Pulpal morphology of maxillary and mandibular teeth. **Unit 7**: Directions and tooth surfaces. **Unit 8**: Tooth surface and cavity preparation nomenclature. **Unit 9:** Classification of carious lesions and cavity preparations. **Unit 10**: Classification of instruments for direct restorative procedures. **Unit 11**: Clinical application of different instrument grasps and motions. **Unit 12:** Clinical use of rotating instruments. **Unit 13**: amalgam restorations. **Unit 15:** Use dental amalgam as a restorative material. **Unit 16**: Clinical application of matrix bands and wedges. **Unit 17**: Clinical use of dental cements and liners. **Unit 18:** Restoration of Class I amalgam cavities with extensions. **Unit 19**: Restoration of Class II and V amalgam cavities. **Unit 20**: Finishing and polishing of amalgam restorations **Unit 21:** Isolation of the working field. **Unit 22**: Cavity preparations for composite restorations. **Unit 23**: Procedures for cavity restorations with composite resins. **Unit 24**. Finishing and polishing of composite restorations **Unit 25**: Direct composite veneers **Unit 26**: Atraumatic restorative treatment (ART) technique
Learning Outcomes:	After completion of this module, the student will: • Have a sound knowledge of cavity preparation principles and how to perform cavity preparation on permanent teeth. • Know how to restore these cavities Know the composition, types and properties of dental materials for direct restorative techniques

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	4	3	090301

Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		Full		Y	
Periods per Week: 36 Weeks	**Classes**	**Practical**	**Tutorial**	**Seminars**	**Independent Learning**	
	1 x 40 min					
Pre-requisite modules for this module:						
Co-requisites modules for module:						
Assessment Criteria:	The students must be able to: • Display knowledge on cavity preparation principles • Perform cavity preparations on permanent and restore these cavities Have knowledge of composition, types of materials and properties of dental materials for direct restorative techniques. Continuous evaluation of theoretical and pre-clinical work according to the AULCP system					
Assessment Methods:	OSCE and theory counts equally for the 1st and 2nd semesters. 1st and 2nd semester counts equally towards the year mark 1 theory test and 1 OSCE per semester. Clinical procedure assessment with the AULCP system Pre-clinical according to the AULCP system.					
Assessment Weighting:	Min assessment mark to be promoted (%)				50%	
	Final mark =	% Formative Assess Mark determined by the 2 theory and 2 OSCE tests			50%	
		% Summative Assess Mark.			None	
	Min Final Assessment mark to pass (%)				50%	

Final Assessment :		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical				
	Duration				
	Sub minimum				
	% Distribution of final assessment				

MODULAR INFORMATION						
Department: OPERATIVE DENTISTRY			**SCHOOL** : School of Dentistry			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MODA030		
Module Name:	OPERATIVE DENTISTRY II		
Module Content:	Patient management, direct restorative materials, direct restorative dentistry		
Learning Outcomes:	A sound knowledge of patient management, direct restorative materials and direct restorative dentistry		
Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**

		24		3		090301
Delivery Information:		**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
		SMU		Full time		Y
Periods per Week: 36 weeks		**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
		2x40 min	2x2hr			
Pre-requisite modules for this module:						
Co-requisites modules for module:						
Assessment Criteria:		Students must prove their knowledge and skills in patient management and direct restorative dentistry by completing at least the minimum quota of clinical procedures at a competent or proficient level. They must be able to demonstrate their knowledge of patient management and direct restorative Dentistry verbally and in writing.				
Assessment Methods:		Tests, osces, clinical (AULCP) 2 combined tests on unit 1 and 2 (1 per semester). One PBL test on unit 2. Two combined osces on unit 1 and 2 (1 per semester). The Aulcp system to assess clinical competency. Tests and osces in each semester count the same. The 2 semesters contributes the same towards the year mark and the PBL counts as much as a test				
Assessment Weighting:		Minimum Form Assessment Mark for exam admission (%)				
		Final mark =	% Formative Assess Mark			100%
			% Year Assess Mark			
		Min Final Assessment mark to pass (%)				50%
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**		**Paper 4**
	Theory / Practical	Not applicable				
	Duration					
	% Distribution of Summative assessment					
	Sub minimum					

MODULAR INFORMATION						
Department: Operative Dentistry			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2020			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDT02					
Module Code: (4 alphabetic & 3 numeric)	MODB030					
Module Name:	OPERATIVE DENTISTRY II					
Module Content:	Students will receive clinical training on direct restorative dentistry, direct restorative materials and paediatric dentistry. This is a 1 -year course that is didactic and self-directed and include clinical sessions, discussions and lectures. Students learn extensive, detailed step- by step procedures for restorative techniques using different materials and will be able to appreciate minimal intervention strategies regarding management of carious, non-carious or traumatised dentition. Students will develop					

<table>
<tr><td></td><td colspan="5">professional knowledge, understanding and competence in direct restorative dentistry and paediatric dentistry, in line with their scope of practise as well their personal learning requirements.
Unit 1: Dental caries, non-carious dental defects, odontogenic and non-odontogenic pain.
Unit 2: Patient positioning and management.
Unit 3: Dental Trauma.
Unit 4: Mechanical considerations of cutting instruments.
Unit 5: Caries control restorations.
Unit 6: Amalgam restorations.
Unit 7: Resin restorations (tooth coloured).
Unit 8: Handling of emergencies, urgencies and postoperative complications.
Unit 9: Atraumatic restorative treatment technique.
Unit 10: Properties of direct restorative materials.
Unit 11: Properties and clinical applications of conventional dental cements and liners.
Unit 12: The importance of conventional and resin-modified glass ionomer cement as restorative materials.
Unit 13: Use dental amalgams for direct restorative procedures
Unit 14: Properties of the conventional composite resins and to select products for the correct clinical applications
Unit 15: Properties of the conventional composite resins and to select products for the correct clinical applications (conventional, flowable and condensable (packable) composite resin).
Unit 16: Compomer restorative materials
Unit 17: Concept of bonding restorative resins to tooth structure by means of an enamel/dentine bonding agent.
Unit 18: Pit and fissure sealant.
Unit 19: Paediatric Patient management.
Unit 20: Management of the paediatric dental patient and child reaction to dental care
Unit 21: Non Pharmacological behaviour Management Techniques.
Unit 22: Pharmacological behaviour Management Techniques.
Unit 23: Different forms of conscious sedation and how it is administered.
Unit 24: Management of the paediatric dental patient.
Unit 25: Examine and treatment planning of a paediatric patient.
Unit 26. Local and topical anaesthesia, and the application techniques of local anaesthetics for Paediatric dentistry cases.
Unit 27. Early Childhood caries.
Unit 28: Restorative dentistry for primary teeth.
Unit 29: Trauma and Orofacial injuries in children.
Unit 30. Child abuse (Role of dental practitioners).
Unit 31. Special health care needs patients.
Unit 32: Oral manifestations of children with HIV/AIDS Management of the paediatric dental patient.
Unit 33: Teething</td></tr>
<tr><td>Learning Outcomes:</td><td colspan="5">A sound knowledge of direct restorative materials, direct restorative dentistry and paediatric dentistry</td></tr>
<tr><td rowspan="2">Module Information:</td><td>SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td colspan="2">CESM Code (3rd Order)</td></tr>
<tr><td>32</td><td colspan="2">3</td><td colspan="2">090301</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td>Campus</td><td colspan="2">Full/Part Time</td><td colspan="2">Period (1st/2ndSem)</td></tr>
<tr><td>SMU</td><td colspan="2">Full time</td><td colspan="2">Y</td></tr>
<tr><td rowspan="2">Periods per Week:</td><td>Classes</td><td>Clinics</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>2x40min</td><td>3x2 hrs</td><td></td><td></td><td></td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
</table>

Co-requisites modules for module:					
Assessment Criteria:		Describing and demonstrating restorative materials. Demonstrating direct restorative dentistry. Managing paediatric dentistry.			
Assessment Methods:		Two combined OSCE's and theory tests, clinical according to the AULCP system			
Assessment Weighting:		Min assessment mark for exam admission (%)			40%
		Final mark =	% year Assess Mark		60%
			% exam Assess Mark		40%
		Min Final Assessment mark to pass (%)			50%
Summative Assessment Paper:		**Paper 1**		**Paper 2**	**Paper 3**
	Theory / Practical	OSCE	THEORY		
	Duration	I hour	3 hours		
	% of Exam Mark	50%	50%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: Operative Dentistry			**School:** School of Dentistry			
Last Revision date: 2019			**First Year Offered (Ne** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MODA040				
Module Name:	OPERATIVE DENTISTRY III				
Module Content:	Paediatric Dentistry and Endodontics				
Learning Outcomes:	To provide the full scope of direct restorative procedures, knowledge of dental materials, manage paediatric patients and be able to perform endodontic procedures on single and multi-rooted teeth.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	32		3		090307/0310
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		Full time		Y
Periods per Week:	**Classes**	**Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2x40min	3 x 2hr			
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	Students are able to: Apply competent clinical skills according to the AULCP system with regard to direct restorative procedures. Discuss and name dental materials				

		Manage paediatric patients Successfully perform endodontic procedures				
Assessment Methods:		1 test and 1 osce per semester in the 4th year (paedodontics and endodontics). Tests, Osces, Exam, Clinical The tests and osces on direct restorative materials and dentistry (BDS 3) and the tests and osces on paedodontics, endodontics and PBL (BDS 4) will equally count towards the year mark.				
Assessment Weighting:		Min Year Assessment mark for exam admission (%)				40%
		Final mark =	% Year Assess Mark			60%
			% Summative Assess Mark			40%
		Min Final Assessment mark to pass (%)				50%
Summative Assessment Pape		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**	
	Theory / Practical	Theory + Osce				
	Duration	3 + 1 Hour				
	% of Exam Mark	100%				
	Sub minimum	40%				

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MMXA020
Module Name:	ORAL BIOLOGY I
Content:	Development, structure, function and age related changes of the various components of the oral cavity, namely, prenatal development and the development of the face and neck the development of the oro-facial structures and teeth, macroscopic and microscopic characteristic features of the dental tissues, oral mucosa and specialized oral mucosa, salivary glands, temporomandibular joint, bone, nasal and paranasal sinuses, molecular biology and dental anatomy
Learning Outcomes	To give students a sound knowledge and understanding of the following: 1. General characteristic features of the oral cavity, regions of the face and neck and divisions of the oral cavity, dental and specialized supporting apparatus of the tooth, innervation, blood supply and lymphatic drainage of the oral cavity 2. Prenatal development, development of the face and neck 3. Stages of odontogenesis, amelogenesis , dentinogenesis and the development of the dentin-pulp complex and periodontium, tooth eruption 4. Composition, characteristic histological features of enamel, dentin and periodontium and age changes in enamel, dentin and periodontium 5. Development, classification, structure and function of oral mucosa and oral connective tissue 6. Development, structure and function of various bone cells involved in bone remodelling, effectors of bone remodelling 7. Development, classification, structure and function of salivary glands and saliva 8. Development, structure, components of nasal and paranasal sinuses 9. Development, structure, components, classification of the TMJ joint

	10. Overview of molecular biology and bioengineering 11. Dental anatomy				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	8		3		090304
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	3x40 min				Y
Pre-requisite modules for this module:	N.A				
Co-requisites modules for module:	N.A				
Assessment Criteria	Students must be able to demonstrate in writing and with verbal explanation : 1. Explain the general characteristic features of the oral cavity, regions of the face and neck and divisions of the oral cavity, dental and specialized supporting apparatus of the tooth, innervation, blood supply and lymphatic drainage of the oral cavity 2. Discuss prenatal development, development of the face and neck, including central nervous system and neural crest cells, pharyngeal arches, grooves and pouches, face, maxilla, palate, nasal cavities, mandible and TMJ, tongue and thyroid gland 3. Discuss stages of odontogenesis, amelogenesis , dentinogenesis and the development of the dentin-pulp complex and periodontium, theories of tooth eruption 4. Differentiate between the composition, characteristic histological features of enamel, dentin and periodontium and age changes in these. 5. Discuss the development, classification, structure and functions of oral mucosa and oral connective tissue, differentiate between the various types of oral mucosa, explain mucosal immunity 6. Evaluate the role of the various bone cells involved in bone remodeling, explain bone remodeling and explain the role of various effectors of bone remodeling 7. Discuss the development, classification, structure and function of salivary glands and saliva 8. Explain the development, structure, components of nasal and paranasal sinuses, discuss mucocilliary clearance of the nasal and paranasal sinuses 9. Explain the development, structure, components, classification of the TMJ joint 10. Explain the structure of DNA and the generation of a message within a cell. 11. Explain the morphological features of teeth				
Assessment Methods	Tests, group presentations, written papers, orals				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION							
Department:	ORAL& MAXILLOFACIAL PATHOLOGY				**School:**	OAL HEALTH SCIENCES	
Last Revision date:	2019			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	**NO**			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDT02	BOH02					

Module Code: (4 alphabetic & 3 numeric)	MORB010
Module Name:	ORAL BIOLOGY 1
Content:	Development, structure, function and age related changes of the various components of the oral cavity, prenatal development and the development of the face and neck the development of the oro-facial structures and teeth, macroscopic and microscopic characteristic features of the dental tissues, oral mucosa and specialized oral mucosa, salivary glands, temporomandibular joint and dental anatomy
Learning Outcomes:	1. General characteristic features of the oral cavity, regions of the face and neck and divisions of the oral cavity, dental and specialized supporting apparatus of the tooth, innervation, blood supply and lymphatic drainage of the oral cavity 2. Prenatal development, development of the face and neck 3. Stages of odontogenesis, amelogenesis , dentinogenesis and the development of the dentin-pulp complex and periodontium, tooth eruption 4. Composition, characteristic histological features of enamel, dentin and periodontium and age changes in enamel, dentin and periodontium 5. Development, classification, structure and function of oral mucosa and oral connective tissue 6. Development, classification, structure and function of salivary glands and saliva 7. Development, structure, components, classification of the TMJ joint 8. Dental anatomy

Module Information:	**SAQA Credits**	**ITS Course Level**	**CESM Code (3rd Order) (Si Numbers)**
	8	3	090304

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	**Full Time**	Year

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1	None	None	None	None

Pre-requisite modules for this module:	
Co-requisites modules for module:	MANB011
Assessment criteria	At the end of the module, the student will be able to: 1. Explain the general characteristic features of the oral cavity, regions of the face and neck and divisions of the oral cavity, dental and specialized supporting apparatus of the tooth, innervation, blood supply and lymphatic drainage of the oral cavity 2. Discuss prenatal development, development of the face and neck, including central nervous system and neural crest cells, pharyngeal arches, grooves and pouches, face, maxilla, palate, nasal cavities, mandible and TMJ, tongue and thyroid gland 3. Discuss stages of odontogenesis, amelogenesis , dentinogenesis and the development of the dentin-pulp complex and periodontium, theories of tooth

			eruption 4. Differentiate between the composition, characteristic histological features of enamel, dentin and periodontium and age changes in these. 5. Discuss the development, classification, structure and functions of oral mucosa and oral connective tissue, differentiate between the various types of oral mucosa 6. Discuss the development, classification, structure and function of salivary glands and saliva 7. Explain the development, structure, components, classification of the TMJ joint 8. Explain the morphological features of teeth and chronology of tooth eruption			
Assessment method			Tests, Group Presentations and Written Papers			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40			
	Final Mark	% Year Mark	60			
		% Exam Mark	40			
	Minimum final mark to pass (%)		50			
Summative Assessment Paper:			**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical		Theory			
	Duration		3 Hours			
	% of Exam Mark		100			
	Sub minimum		40			

MODULAR INFORMATION						
Department:	Community Dentistry			**School:**	DENTISTRY	
Last Revision date:	2019		**First Year Offered (New):**	2020		
Replace this Module existing module(s)?			**If YES, give the module codes:**	**MORH 010**		
Module linked to Qualification/s:	BOH01					
Module Code: (4 alphabetic & 3 numeric)	MORH010					
Module Name:	Oral Health 1					
Content:	**Unit 1: Introduction to the dental environment** 1.1. Dental orientation 1.2. Role of oral hygiene in dentistry 1.3. Preparation for oral hygiene practice 1.4. Pre-clinical oral hygiene practice **Unit 2**: **Assessment instruments** 2.1. Dental terminology 2.2. Dental charting 2.3. Patient assessment forms 2.4. Dental photography 2.5. Patient records **Unit 3: Oral hygiene process of care** 3.1. Dental biofilm and other soft deposits 3.2. Dental calculus 3.3. Dental stains and discoloration 3.4. The teeth and occlusion 3.5. The periodontium					

<table>
<tr><td></td><td>3.6. Patient examination
3.7. Principles of instrumentation
Unit 4: Dental hygiene Diagnosis and Care Planning
4.1. Oral Hygiene diagnosis and prognosis
4.2. Dental hygiene care plan
4.3. Oral hygiene treatment plan
Unit 5: Oral hygiene preventative procedures
5.1. Patient instruction, education and motivation
5.2. Diet and dietary analysis
5.3. Mechanical and chemical plaque control
5.4. Occlusal guard and care of dental appliances
5.7. Fluorides
5.8. Sealants
Unit 6: Oral hygiene treatment procedures
6.1. Instrument care and sharpening
6.2. Non-surgical periodontal therapy and adjunctive therapy
6.3. Application of desensitising agents
6.4. Polishing
6.5. Application of sealants and fluoride</td></tr>
<tr><td>Learning Outcomes:</td><td>At the end of the module, the student will be able to:
• Know the different types of instruments
• Receive and position the patient in the dental chair
• Collect, record and analyse data on general, oral and psycho-social health
• Identify and know the difference between the soft deposits
• Identify types and characteristics of tooth stains, and know the removal procedures
• Identify the types of disclosing agents and know the application techniques
• Know the characteristics and components of a toothbrush
• Know the different tooth brushing methods
• Know about the col area, interdental plaque control devices, and auxiliary plaque control methods
• Know what is a prophylactic and a non-therapeutic dentifrice
• Explain the principles of patient motivation
• Know the classification and clinical procedure for fissure sealants
• Know the role of nutrition in oral health
• Know the types and uses of audio-visual materials
• Demonstrate knowledge of various dental therapeutic treatments that are delivered in accordance to the oral hygiene treatment plan.</td></tr>
<tr><td>Module Information:</td><td><table><tr><td>SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</td><td>ITS Course Level</td><td>CESM Code (3rd Order) (Six Numbers)</td></tr><tr><td>16</td><td>3</td><td>090402</td></tr></table></td></tr>
<tr><td>Delivery Information:</td><td><table><tr><td>Campus</td><td>Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr><tr><td>SMU</td><td>FT</td><td>Y</td></tr></table></td></tr>
<tr><td>Periods per week:</td><td><table><tr><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr><tr><td>2X40 Min</td><td>2X2 Hrs</td><td>0</td><td>0</td><td>0</td></tr></table></td></tr>
<tr><td>Pre-requisite modules for this module:</td><td>N/A</td></tr>
<tr><td>Co-requisites modules for module:</td><td>N/A</td></tr>
<tr><td>Assessment criteria</td><td>• Define and discuss the stages of development of soft deposits
• Discuss calculus in terms of; composition, classification, distribution, consistency and significance
• Define and describe intrinsic and extrinsic stains, and the various removal procedures</td></tr>
</table>

			• Give the definition and purpose of a plaque index • Describe and discuss two indices • Discuss disclosing agents in terms of; types, purposes, and properties • Name the desirable characteristics of a toothbrush • Name and describe the tooth brushing techniques • Demonstrate each technique on a model • Explain the purpose of cleaning interdentally • Identify and demonstrate all the auxiliary plaque control methods • Describe dentifrices in terms of; ingredients and action • Differentiate between self-prepared and commercial and chemotherapeutic and cosmetic mouth rinses • Describe the procedure for the care of dental appliances • Explain the components of communication • Explain the 4 steps suggested for patient motivation • Discuss sealants in terms of; criteria, indications, contraindications, classification • Describe the step-by-step application • Describe the factors contributing to hypersensitivity • Discuss methods of desensitising • Explain effective presentation techniques of some audio-visual materials • Discuss the role of nutrition in oral health • Discuss the 6 classes of nutrients • Name the dental chair positions and state the correct operator positions • Give the criteria for determination of treatment sequence			
Assessment method			Tests, assignments, practical, practical work, achievement of certain minimum clinical requirement			
Mark Structure:	Minimum Form Assessment Mark for promotion (%)		60%			
	40%	% Formative Assessment Mark (Promotional)	100%			
		% Summative Assessment Mark	0%			
	Minimum practical mark to pass (%)		50%			
	Minimum final mark to pass (%)		50%			
Summative Assessment Paper:			**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical		N/A	N/A		
	Duration		N/A	N/A		
	% contribution to Summative Assessment Mark		N/A	N/A		
	Sub minimum		N/A	N/A		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY				School: DENTISTRY		
Last Revision date: 2019				First Year Offered (New): 2021		
Replace this Module existing module(s)? NO				If YES, give the module codes:		
Module linked to Qualification/s:	BOH02					
Module Code: (4 alphabetic & 3 numeric)	MORH020					

<table>
<tr><td>Module Name:</td><td colspan="5">ORAL HEALTH II</td></tr>
<tr><td>Content:</td><td colspan="5"><u>Non-communicable diseases</u>
Oral Hygiene Care and Management of Patients with: -
• Cardiovascular Diseases
• Diabetes Mellitus
• Bleeding Disorders
<u>Mental Conditions and Disorders</u>
Oral Hygiene Care and Management of Patients with: -
• Epilepsy
• Neuro-developmental disorder
• Mental Disorder
<u>Communicable Diseases</u>
Oral Hygiene Care and Management of Patients with: -
• HIV/AIDS
• Upper respiratory tract infections
• Lower respiratory tract infections
<u>Social/Habitual conditions</u>
Oral Hygiene Care and Management of Patients with: -
• Smoking Habit
• Alcohol Related Disorder
<u>Reproductive and Hormonal Changes</u>
• Oral Hygiene Care and Management of a Pregnant Patient
• Oral Hygiene Care and Management of Patients with Hormonal changes
<u>Paediatric Dental Care</u>
• Oral Hygiene Care and Management of an infant; toddler and teenage patients
• Oral Hygiene Care and Management of Patients with Cleft Lip and /or Palate
<u>Elderly and Edentulous Patient</u>
• Oral Hygiene Care and Management of the Elderly Patient
<u>School Oral Health Programme</u>
• Initiating, planning, implementation and evaluation of a school oral health programme
• Initiate, plan, implement and evaluate oral health programmes communities and institutions housing persons with special needs</td></tr>
<tr><td>Learning Outcomes</td><td colspan="5">At the end of this module the student should be able to understand and know oral hygiene care and management of persons with various medical conditions.

Initiate, plan, implement and evaluate oral health programmes</td></tr>
<tr><td rowspan="2">Module Information:</td><td>SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td colspan="2">CESM Code (3rd Order)</td></tr>
<tr><td>36</td><td colspan="2">3</td><td colspan="2">090402</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td>Campus</td><td colspan="2">Full/Part Time</td><td colspan="2">Period (Year/1st/2ndSem)</td></tr>
<tr><td>SMU</td><td colspan="2">FT</td><td colspan="2">Y</td></tr>
<tr><td rowspan="2">Periods per week: 36 weeks</td><td>Classes</td><td>Clinical</td><td>Tutorial</td><td>Outreach</td><td>Independent Learning</td></tr>
<tr><td>2x40min</td><td>3x2hrs</td><td>1x40min</td><td>1x2hrs</td><td>None</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5">MORH010</td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td>Assessment Criteria</td><td colspan="5">• Name, define, and discuss various types medical conditions that you likely to come across in the dental clinic
• Compare and discuss types of medical conditions in relation to oral health
• Describe the oral hygiene care of patients with various medical conditions
• Discuss the precaution you will take when treating the patients who are medically compromised</td></tr>
</table>

	• Discuss medical conditions where antibiotic medication is needed and necessary • Discuss anti-coagulant therapy • Discuss the impact and relationship of periodontal disease on medical conditions • Explain the objective of oral hygiene care for a patient who is about to have a cardiovascular surgery • Discuss the patient with the cardiac pacemaker • Explain the OHI instructions and post treatment instructions • Discuss the oral manifestations of medical conditions • Detail different types of medical emergencies that may happen during dental treatment and how to manage these emergencies. • Describe and discuss the clinical procedures and the potential risks of various medical conditions in the dental clinic. • Explain the OHI instructions and post treatment instructions for various medical conditions
Assessment Methods	Tests, Assignments, OSCE, Clinical assessments, Case Report & Presentations

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	100%
		% Summative Assessment Mark	%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		Paper 1	Paper 2	Paper 3	Paper 4
	Theory / Practical				
	Duration				
	% of Exam Mark				
	Sub minimum				

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY			School: DENTISTRY			
Last Revision date: 2019			First Year Offered (New): 2022			
Replace this Module existing module(s)? NO			If YES, give the module codes:			
Module linked to Qualification/s:	BOH02					

Module Code: (4 alphabetic & 3 numeric)	MORH030
Module Name:	ORAL HEALTH III
Content:	Management of a patient with implants-types of dental implants, implant interfaces, peri-implant hygiene, maintenance Carpal tunnel syndrome Bleaching agents Clinical case writing and presentation Elective research topic –special patients
Learning Outcomes	At the end of the module, the student will be able to: • Know how to manage a patient with implants • Know how to apply cosmetic agents • Demonstrate how to compile a case study • Demonstrate knowledge of how research findings and conclusions are prepared

	and presented according to the required research format.				
Module Information:	SAQA Credits		ITS Course Level Code		CESM Code (3rd Order)
	32		3		090402
Delivery Information:	Campus		Full/Part Time		Period (Year/1st/2ndSem)
	SMU		FT		Y
Periods per week:	Classes	Practicals	Tutorial	Seminars	Independent Learning
	2	1	1	None	None
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria	At the end of the module, the student will be able to: • Manage a patient with implants • Apply tooth whitening agents • Write up a case study • Collate and present research findings				
Assessment Methods	Tests, assignments, osce's, practical work, case studies, research reports, achievement of certain minimum clinical requirements, 3hr examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		Paper 1	Paper 2	Paper 3	Paper 4
	Theory / Practical	Theory	OSCE		
	Duration	3 hours	2hour		
	% of Exam Mark	50%	50%		
	Sub minimum	40%	40%		

MODULAR INFORMATION							
Department:	Oral Medicine and Periodontology				**School:**	SD	
Last Revision date:	2021			**First Year Offered (New):**	2020		
Replace this Module existing module(s)?	Yes			**If YES, give the module codes:**	MORB030		
Module linked to Qualification/s:		BOH02					
Module Code: (4 alphabetic & 3 numeric)	MORB030						
Module Name:	Oral Medicine for Oral Hygienists						
Content:	The language of oral medicine, history taking and examination of the soft tissues, diagnostic procedures for lesions in and surrounding the oral cavity, bacterial infections of the oral cavity, viral infections of the oral cavity and fungal infections of the oral cavity, primary and recurrent oral ulcerative lesions, white lesions of the oral cavity, systemic and dermatologic conditions of clinical relevance, lesions of the tongue, taste disturbance, medically compromised patients and primary resuscitation, treatment of oral conditions within the scope of the Oral Hygienist.						

<table>
<tr><td></td><td>

Module 1: Principles in Oral Medicine

- Unit 1: Introduction to Oral Medicine
- Unit 2: Prescription writing and pharmacotherapeutics

Module 2: Oral manifestations of systemic conditions, developmental disorders and injuries

- Unit 1: Oral manifestations of haematological disorders, endocrine and metabolic diseases, and nutritional deficiencies
- Unit 2: Developmental defects of the oral cavity
- Unit 3: Physical and chemical injuries

Module 3: Infections of the oral cavity

- Unit 1: Viral infections of the oral cavity
- Unit 2: Bacterial infections of the oral cavity
- Unit 3: Fungal infections of the oral cavity (practical taking of smears)

Module 4: Oral mucosal pigmentation

- Unit 1: Exogenous pigmentation
- Unit 2: Endogenous pigmentation
- Unit 3: Malignancy of melanocytes

Module 5: Disorders of salivary glands and saliva

- Unit 1: Salivary gland disorders

Module 6: Vesiculo-bullous diseases

- Unit 1: Immune-mediated oral diseases and conditions

Module 7: Oral soft tissue neoplasms and granulomatous diseases

- Unit 1: Reactive and other benign soft tissue neoplasms

Module 8: Oral potentially malignant and oral malignant lesions/disorders

- Unit 1: Oral potentially malignant lesions/disorders
- Unit 2: Malignancies of keratinocytes

Module 9: HIV-associated oral lesions/conditions

- Unit 1: HIV infection in relation to the mouth
- Unit 2: European commission clearinghouse classification

Module 10: Oral Medicine and the older patient

- Unit 1: Management of the older patient

</td></tr>
<tr><td>Learning Outcomes:</td><td>

- Definition of oral medicine and the terminology used in oral medicine Understanding of patient evaluation including history taking.
- Recognizing and managing viral, bacterial and fungal infections in the oral cavity.
- Identifying HIV related oral disease, be able to identify these infections, and either manage the lesions that fall within the scope of an oral hygienist or refer to a specialist
- Taking cytological smears
- Removal of sutures

Please refer to the Module learner guide for a detailed breakdown of learning outcomes

</td></tr>
<tr><td>Module Information:</td><td>
<table>
<tr><th>SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</th><th>ITS Course Level</th><th>CESM Code (3rd Order) (Six Numbers)</th></tr>
<tr><td>12</td><td>3</td><td>090399</td></tr>
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<tr><td>Delivery Information:</td><td>
<table>
<tr><th>Campus</th><th>Full/Part Time</th><th>Period (Year/1st/2ndSem)</th></tr>
<tr><td>SMU</td><td>Full Time</td><td>Year = 3rd</td></tr>
</table>
</td></tr>
<tr><td>Periods per week:</td><td>
<table>
<tr><th>Classes</th><th>Practicals</th><th>Tutorial</th><th>Seminars</th><th>Independent Learning</th></tr>
<tr><td>1</td><td>1 (Periodontology/Oral Med clinics)</td><td>1 per semester</td><td>none</td><td>none</td></tr>
</table>
</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td>MPEA020</td></tr>
</table>

Co-requisites modules for module:			None			
Assessment criteria			Define oral medicine and terminology used in oral medicine. Recognize oral mucosal diseases. Recognize and refer keratotic and non keratotic while lesions in the oral cavity, and lo know which of these lesions have a high risk of malignant transformation. The final OSCE mark has to be passed independently of the year mark in order to pass the module.			
Assessment method			Formative assessments/tests and Osce's, Summative assessments			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%			
		% Formative Assessment Mark	60%			
		% Summative Assessment Mark	40%			
	Minimum final mark to pass (%)		50%			
Summative Assessment Paper:			**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical		Theory	OSCE		
	Duration		3 hrs	1,5 hrs		
	% contribution to Summative Assessment Mark		60%	40%		
	Sub minimum		40%	50%		

MODULAR INFORMATION						
Department:	Oral Medicine and Periodontology			**School:**	SD	
Last Revision date:	2021		**First Year Offered (New):**	2020		
Replace this Module existing module(s)?			**If YES, give the module codes:**			
Module linked to Qualification/s:		BDT02				
Module Code: (4 alphabetic & 3 numeric)	MORA030					
Module Name:	Oral Medicine for Dental Therapists					
Content:	The language of oral medicine, history taking and examination of the soft tissues, diagnostic procedures for lesions in and surrounding the oral cavity, bacterial infections of the oral cavity, viral infections of the oral cavity and fungal infections of the oral cavity, primary and recurrent oral ulcerative lesions, white lesions of the oral cavity, systemic and dermatologic conditions of clinical relevance, lesions of the tongue, taste disturbance, medically compromised patients and primary resuscitation, treatment of oral conditions that fall within the scope of practice of the Dental therapist **Module 1: Principles in Oral Medicine** • Unit 1: Introduction to Oral Medicine • Unit 2: Prescription writing and pharmacotherapeutics **Module 2: Oral manifestations of systemic conditions, developmental disorders and injuries** • Unit 1: Oral manifestations of haematological disorders, endocrine and metabolic diseases, and nutritional deficiencies • Unit 2: Developmental defects of the oral cavity					

<table>
<tr><td></td><td>
• Unit 3: Physical and chemical injuries
Module 3: Infections of the oral cavity
• Unit 1: Viral infections of the oral cavity
• Unit 2: Bacterial infections of the oral cavity
• Unit 3: Fungal infections of the oral cavity (practical taking of smears)
Module 4: Oral mucosal pigmentation
• Unit 1: Exogenous pigmentation
• Unit 2: Endogenous pigmentation
• Unit 3: Malignancy of melanocytes
Module 5: Disorders of salivary glands and saliva
• Unit 1: Salivary gland disorders
Module 6: Vesiculo-bullous diseases
• Unit 1: Immune-mediated oral diseases and conditions
Module 7: Oral soft tissue neoplasms and granulomatous diseases
• Unit 1: Reactive and other benign soft tissue neoplasms
Module 8: Oral potentially malignant and oral malignant lesions/disorders
• Unit 1: Oral potentially malignant lesions/disorders
• Unit 2: Malignancies of keratinocytes
Module 9: HIV-associated oral lesions/conditions
• Unit 1: HIV infection in relation to the mouth
• Unit 2: European commission clearinghouse classification
Module 10: Oral Medicine and the older patient
• Unit 1: Management of the older patient
</td></tr>
<tr><td>Learning Outcomes:</td><td>
• Definition of oral medicine and the terminology used in oral medicine Understanding of patient evaluation including history taking.
• Recognizing and managing viral, bacterial and fungal infections in the oral cavity.
• Identifying HIV related oral disease, be able to identify these infections, and either manage the lesions that fall within the scope of a Dental Therapist or refer to a specialist
• Taking cytological smears
• Removal of sutures

Please refer to the Module learner guide for a detailed breakdown of learning outcomes
</td></tr>
<tr><td>Module Information:</td><td>
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<tr><th>SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</th><th>ITS Course Level</th><th>CESM Code (3rd Order) (Six Numbers)</th></tr>
<tr><td>16</td><td>3</td><td>090399</td></tr>
</table>
</td></tr>
<tr><td>Delivery Information:</td><td>
<table>
<tr><th>Campus</th><th>Full/Part Time</th><th>Period (Year/1st/2ndSem)</th></tr>
<tr><td>SMU</td><td>Full Time</td><td>Year = 3rd</td></tr>
</table>
</td></tr>
<tr><td>Periods per week:</td><td>
<table>
<tr><th>Classes</th><th>Practicals</th><th>Tutorial</th><th>Seminars</th><th>Independent Learning</th></tr>
<tr><td>1</td><td>1 (Periodontology/Oral Med clinics)</td><td>1 per semester</td><td>none</td><td>none</td></tr>
</table>
</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td>MPEA020</td></tr>
<tr><td>Co-requisites modules for module:</td><td>none</td></tr>
</table>

Assessment criteria			• Define oral medicine and terminology used in oral medicine. • Diagnose and manage oral mucosal diseases. • Explain the pathogenesis of mucosal diseases. • Diagnose keratotic and non keratotic white lesions in the oral cavity, and to know which of these lesions have a high risk of malignant transformation • Explain the aetiology of halitosis Explain the mode of action, side effects, pharmacokinetics and dynamics of antimicrobials, antivirals, antifungals, corticosteroids, analgesics, anti-inflammatory agents and antiseptic mouthwashes.			
Assessment method			Formative assessments/tests and Osce's, Summative assessments			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%			
		% Formative Assessment Mark	60%			
		% Summative Assessment Mark	40%			
	Minimum final mark to pass (%)		50%			
Summative Assessment Paper:			**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical		Theory	OSCE		
	Duration		3 hrs	1,5 hrs		
	% contribution to Summative Assessment Mark		60%	40%		
	Sub minimum		40%	50%		

MODULAR INFORMATION						
Department: ORAL MEDICINE AND PERIODONTOLOGY			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	MORC030					
Module Name:	ORAL MEDICINE I					
Content:	• Introduction to the course • Principles in Oral Medicine • Oral manifestations of systemic conditions, developmental disorders and injuries • Infections of the oral cavity • Oral mucosal pigmentation • Disorders of salivary glands and saliva • Immunopathogenic oral diseases • Oral soft tissue neoplasms • Oral potentially malignant and oral malignant lesions/disorders					
Learning Outcomes	• The goal of the course in Oral Medicine is to enable the student to acquire the knowledge and clinical skills required for the diagnosis and management of diseases affecting the oral cavity. • Through this course, students are also equipped to draw up relevant treatment plans and to understand and prescribe the necessary					

<table>
<tr><td></td><td colspan="5">management procedures for these patients.
• The course also aims to develop an understanding of the surgical, managerial, referral and interdisciplinary aspects of Oral Medicine.

This course is offered during the third and fourth years of the degree. The depth and weighting of the course is specific to the degree course. Despite the objectives and outcomes as listed in the study guide, there will be some overlap in the teaching programme and the programme may be changed at the discretion of the Department of Periodontology and Oral Medicine.</td></tr>
<tr><td rowspan="2">Module Information:</td><td>SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td colspan="2">CESM Code (3rd Order)</td></tr>
<tr><td>8</td><td colspan="2">3</td><td colspan="2">090301</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td>Campus</td><td colspan="2">Full/Part Time</td><td colspan="2">Period (Year/1st/2ndSem)</td></tr>
<tr><td>SMU</td><td colspan="2">FT</td><td colspan="2">Y</td></tr>
<tr><td rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>1</td><td>3</td><td>0</td><td>None</td><td>None</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td>Assessment Criteria</td><td colspan="5">The student must:
Students are able to:
• Correctly define an oral lesion using the appropriate terminology.
• Use the appropriate diagnostic aid to facilitate in attaining a diagnosis.
• Perform a thorough extra-oral and intra-oral examination of the oral medicine patient.
• Correctly diagnose and classify any oral lesion through a list of differential diagnoses.
• Discuss the pathogenesis of oral medicine disorders up to histological level.
• Have knowledge of the aetiology, clinical features and risk factors associated with oral medicine conditions.
• Be familiar with the management of oral medicine disorders (surgical/non-surgical) including pharmacotherapy administration and rationale thereof.</td></tr>
<tr><td>Assessment Methods</td><td colspan="5">Formative assessment: Unscheduled class tests
Summative assessment: Two scheduled tests
Integrated clinical assessments: Two objective-structured clinical examination (OSCE) tests
Tests, assignments, OSCE's, practical work, achievement of certain minimum clinical requirements</td></tr>
<tr><td rowspan="4">Mark Structure:</td><td colspan="2">Minimum Form Assessment Mark for exam admission (%)</td><td colspan="3"></td></tr>
<tr><td rowspan="2">Final mark =</td><td>% Formative Assessment Mark</td><td colspan="3">100%</td></tr>
<tr><td>% Summative Assessment Mark</td><td colspan="3"></td></tr>
<tr><td colspan="2">Minimum final mark to pass (%)</td><td colspan="3">50%</td></tr>
<tr><td rowspan="5">Summative Assessment Paper:</td><td></td><td>Paper 1</td><td>Paper 2</td><td>Paper 3</td><td>Paper 4</td></tr>
<tr><td>Theory / Practical</td><td>Not applicable</td><td></td><td></td><td></td></tr>
<tr><td>Duration</td><td></td><td></td><td></td><td></td></tr>
<tr><td>% of Exam Mark</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Sub minimum</td><td></td><td></td><td></td><td></td></tr>
</table>

MODULAR INFORMATION							
Department: ORAL MEDICINE AND PERIODONTOLOGY				**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2015				
Replace this Module existing module(s)? NO			**If YES, give the module codes:**				
Module linked to Qualification/s:	BDS01						

Module Code: (4 alphabetic & 3 numeric)	MORA040
Module Name:	ORAL MEDICINE II
Content:	• Introduction to the course • Principles in Oral Medicine • Oral manifestations of systemic conditions, developmental disorders and injuries • Infections of the oral cavity • Oral mucosal pigmentation • Disorders of salivary glands and saliva • Immunopathogenic oral diseases • Oral soft tissue neoplasms • Oral potentially malignant and oral malignant lesions/disorders • HIV-associated oral lesions/conditions • Ulcers • Oral manifestations of systemic conditions • Granulomatous diseases • Orofacial pain
Learning Outcomes	The course in Oral Medicine will enable the student to perform accurate clinical examinations and in certain cases diagnoses, of patients with oral lesions and conditions, to identify and diagnose abnormalities of oral soft tissue; to know when to refer to a specialist in Oral Medicine; to be familiar with the histopathological features o common and/or important oral soft tissue lesions; to know the mode of action, side effects, pharmacokinetics and pharmacodynamics of antibiotic, antimicrobial, antiviral, antifungal agents, corticosteroids, analgesic and antiinflammatory agents and antisepti This course is cumulative as it is also offered in 3rd year of the degree and any content taught in 3rd year is considered knowledge in place for 4th year... The depth and weighting of the course is specific to the degree course. Despite the objectives and outcomes as listed in the study guide, there will be some overlap in the teaching programme and the programme may be changed at the discretion of the Department o Periodontology and Oral Medicine.

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	8	3	090301

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week:	**Classes**	**Practical**	**Tutorial**	**Seminars**	**Independent Learning**
	1	3	0	1	None

Pre-requisite modules for this module:	
Co-requisites modules for module:	

Assessment Criteria	Students are able to: • Correctly diagnose and classify any oral lesion through a list of differential diagnoses: • Discuss the pathogenesis of oral medicine disorders up to histological level. • Have knowledge of the aetiology, clinical features and risk factors associated with oral medicine conditions. • Be familiar with the structure of the human immunodeficiency virus together with its associated oral clinical manifestations, its role in oral tuberculosis • Explain the aetiopathogenesis of the immune reconstitution inflammatory syndrome and diagnosis thereof • Correctly diagnose oral cancer, know the histopathological features, clinical features and risk factors associated with the development of oral cancer. • Discuss the pathogenesis of oral cancer. • Diagnose and classify oral pigmented lesions, and are able to differentiate betwe malignant and non-malignant lesions. • Determine the aetiology of oral ulcerations and manage where possible • Diagnose, manage and understand the pathogenesis of developmental defects, physical and chemical injuries affecting the oral cavity • Diagnose, manage and understand the pathogenesis of reactive lesions, vascular lesions, neural lesions affecting the oral cavity and geriatric changes affecting the oral cavity • Diagnose xerostomia and management where possible • Understand the aetiology and pathogenesis of orofacial pain. • Discuss the management of a patient presenting with orofacial pain. • Be familiar with the management of all the above disorders (surgical/non-surgical) including pharmacotherapy administration and rationale thereof
Assessment Methods	Tests, assignments, osce's, practical work, achievement of certain minimum clinical requirements, 3hr examination

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		45%
	Final ma =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	OSCE		
	Duration	3 hours	1 hour		
	% of Exam Mark	60%	40%		
	Sub minimum	40%	50%		

MODULAR INFORMATION							
Department:	ORAL & MAXILLOFACIAL PATHOLOGY				**School:**	ORAL HEALTH SC	
Last Revision date:	2018			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?		**NO**		**If YES, give the module codes:**			
Module linked to Qualification/s:	BDT02	BOH02					
Module Code: (4 alphabetic & 3 numeric)	MIOM010						
Module Name:	ORAL MICROBIOLOGY						

Content:	Overview of infectious diseases of importance to Dentistry; bacteria, viruses and fungi; determinants of pathogenicity; host defense mechanisms against infection; infections of relevance to Dentistry; normal oral flora; oral Ecology; Microbiology and Immunology of caries and periodontal disease; dentoalveolar infections, bacterial, viral and fungal infections of oral soft tissue; infection control in Dentistry. The module will be presented as formal lectures, case presentations and tutorials.					
Learning Outcomes:	After completion of the course students should be able to explain, in simple terms, the association between oral disease and infective agents.					
Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**		**ITS Course Level**		**CESM Code (3rd Order) (Six Numbers)**	
	4		3		090304	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**	
	SMU		**Full Time**		Year	
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
	1	None	None	None	None	
Pre-requisite modules for this module:	None					
Co-requisites modules for module:	None					
Assessment criteria	Student must – • associate micro-organisms with the aetiology, pathogenesis and complications of common infective diseases encountered in general dental practice • implement the principles of sterilization and infection control					
Assessment method	Formative assessments consist of class tests as well as three formal tests The summative assessment consists of a written examination.					
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%			
	Final Mark	% Year Mark	60%			
		% Exam Mark	40%			
	Minimum final mark to pass (%)		50%			

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical	Theory			
	Duration	3 Hours			
	% of Exam Mark	100			
	Sub minimum	40			

MODULAR INFORMATION						
Department: ORTHODONTICS			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	MMXB030					

Module Name:	ORTHODONTICS I					
Content:	- Stainless steel: composition, properties, uses, advantages & disadvantages - Removable appliances: classification and uses - Extra-oral appliances: classification and uses - Development of occlusion - Development of malocclusion - Facial growth: development of the face, basic principles and therapeutic measures of facial problems and methods of evaluating facial growth - Practical: removable appliances used in Orthodontics					
Learning Outcomes	By the end of this module, students will have knowledge and skills of the following: - Stainless steel: composition, properties, uses, advantages & disadvantages - Removable appliances: classification and uses - Extra-oral appliances: classification and uses - Development of occlusion - Development of malocclusion - Facial growth: development of the face, basic principles and therapeutic measures of facial problems and methods of evaluating facial growth - Introduction to cephalometrics - Practical experience of removable appliances used in Orthodontics					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	12		3		090309	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**	
	SMU		FT		Y	
Periods per week: 38 weeks	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
	1x40 min	3x2hr				
Pre-requisite modules for this module:	0					
Co-requisites modules for module:	0					
Assessment Criteria	Students will be assessed on their cognitive and psychomotor skills on the basis of their ability to complete all laboratory procedures associated with the construction of removable orthodontic appliances to the acceptable standards, as well the theoretical knowledge.					
Assessment Methods	Weekly assignments, unit assessments and assignments, two semester theory tests and practical tests.					

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	100%
		% Summative Assessment Mark	
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical				
	Duration				
	% of Exam Mark				
	Sub minimum				

MODULAR INFORMATION							
Department: ORTHODONTICS						**School:** DENTISTRY	
Last Revision date: 2019				**First Year Offered (New)** 2015			
Replace this Module existing module(s)? NO				**If YES, give the module code**			
Module linked to Qualification/s:	BDS01						
Module Code: (4 alphabetic & 3 numeric)	MMXB040						
Module Name:	ORTHODONTICS II						
Content:	- Aetiology and classification of malocclusion - Physiology of Orthodontic tooth movement - Biomechanics of tooth movement - Preventive and interceptive treatment in Orthodontics - Cephalometric analysis and interpretation - Diagnosis, classification and management of cleft lip and palate - Orthodontic case evaluation and treatment planning - Clinical management of Orthodontic cases for the general dentist						
Learning Outcomes	At the end of this module, the student will know: - Aetiology and classification of malocclusion - Physiology of Orthodontic tooth movement - Biomechanics of tooth movement - Preventive and interceptive treatment in Orthodontics - Analysis and interpretation of cephalometric results - Diagnosis, classification and management of cleft lip and palate - Orthodontic case evaluation and treatment planning - Clinical experience in management of Orthodontic cases for the general dentist						
Module Information:	**SAQA Credits**			**ITS Course Level Code**		**CESM Code (3rd Order)**	
	16			3		090309	
Delivery Information:	**Campus**			**Full/Part Time**		**Period (Year/1st/2ndSem)**	
	SMU			FT		Y	
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**		
	1x40 min	3x40 min	None	None	None		
Pre-requisite modules for this module:	OTDN301						
Co-requisites modules for module:							
Assessment Criteria	Students will be assessed on their cognitive and psychomotor skills on the basis of their ability to complete all clinical and laboratory procedures associated with the construction and placement of removable orthodontic appliances, as well as the diagnosis, treatment planning and management of orthodontic patients.						
Assessment Methods	Unit tests Two Semester tests and OSCE's Clinical quota Clinical examination, Theoretical examination and OSCE						

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final ma =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper		**Combination of Final Assessment: Paper 1**			**Paper 2**
	Theory / Practical	Theory	OSCE	Clinical	
	Duration	3 hours	1 hours	2 Hours	
	% of Exam Mark	50%	30%	20%	
	Sub minimum	40%	50%	50%	

MODULAR INFORMATION						
Department: MAXILLOFACIAL ORAL RADIOLOGY				**School:** DENTISTRY		
Last Revision date: 2021			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MMXC030
Module Name:	PATHOLOGY & RADIOLOGY OF DENTO-OSSEOUS ANOMALIES I
Content:	The module consists of four (4) Units which will cover the following topics: 1: Techniques and Imaging Principles • Extra-Oral Radiography o Panoramic radiography o Cephalometric and hand radiography o Skull radiography ▪ Posterior Anterior view (PA) ▪ Occipitomental view (OM, Waters) ▪ Submentovertex ▪ Reverse Towne ▪ Mandibular oblique lateral • Intra Oral Radiography o Bitewing radiography o Periapical radiography o Object localization techniques o Occlusal radiography 2: Radiographic anatomy 3: Digital radiography 4: Introduction to cone beam computed tomography
Learning Outcomes	At the end of this module the student will be able to: • continuously apply the principles of radiation protection and infection control during the practice of radiography • perform panoramic, bitewing, peri-apical and occlusal radiographic images • perform skull radiographic techniques relevant to the scope of dentistry • identify, describe and correct technique errors associated with all the prescribed radiographic techniques • identify and describe the anatomical structures seen on all the maxillofacial images within the scope of a dentist • discuss the principles of radiographic interpretation • identify and describe carious lesions on panoramic radiographs, bitewings, periapical radiographs and occlusal radiographs. • identify and describe periodontal conditions on panoramic radiographs, bitewings and periapical radiographs • identify and describe tooth fractures on panoramic radiographs, bitewings, periapical radiographs and occlusal radiographs

	• prescribe the correct radiographs for different clinical indications • complete a radiograph request form including indications and clinical findings • describe the differences between image formation between digital and analog radiographic techniques • explain the need and uses of CBCT

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	20	3	090309

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week: 36	**Classes**	**Clinical practice**	**Tutorial**	**Seminars**	**Independent Learning**
	1 x 40 min	1x2 hr: (1 hour patient care 1 hour clinical seminar)	None	1 hour clinical seminar from the 2 hour clinical session	None

Pre-requisite modules for this module:	MMXB020, all BDS II modules
Co-requisites modules for module:	ALL BDS III MODULES
Assessment Criteria	○ Classify radiographic techniques ○ Explain the different intraoral radiographic techniques and apply them in practice ○ Explain the different extra-oral radiographic techniques and apply them in practice ○ Recognize various technical errors which may occur with intra- and extra-oral techniques and to describe how to correct and avoid them ○ Describe specialized radiographic techniques and refer patients for specialized imaging as appropriate ○ Describe special considerations in your choice of radiographic examinations and give some examples of application of the guidelines including quality assurance guidelines ○ Explain and apply the prerequisites of ideal image formation ○ Explain how to modify radiographic procedures for patients with special problems ○ Explain the effects of ionizing radiation on living cells and tissues ○ Identify and describe anatomical structures on radiographic images ○ Apply the principles of radiographic interpretation to a pathological lesion ○ Advise on the approach that can be used to develop a differential diagnosis
Assessment Methods	Unscheduled class tests, semester tests, practical and clinical assessments Case reports

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Computer based Exam			
	Duration	3 hours			

	% of Exam Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION						
Department: ORAL AND MAXILLOFACIAL PATHOLOGY				**School:** DENTISTRY		
Last Revision date: 2021			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MMXC040
Module Name:	PATHOLOGY & RADIOLOGY OF DENTO-OSSEOUS ANOMALIES II
Content:	The course is an examination course presented over one year. Theoretical and clinical aspects related to the practice of radiology will be presented by the Dept. of Maxillofacial and Oral Radiology. The theory related to the development and pathogenesis of diseases will be presented by the Department of Oral Pathology. Radiographic interpretation of such pathologies will be discussed during the clinical sessions and seminars in Maxillofacial and Oral Radiology. The clinical applications of radiography completed during BDS 2 and BDS 3 remain examinable in BDS 4: • Pathology and Radiology of Abnormalities of the Dentition • Pathology and Radiology of Odontogenic Tumours and Cysts • Diseases of Bone • Forensic Odontology • TMJ Radiology • Soft tissue calcifications Paranasal sinus radiology
Learning Outcomes	At the end of this module the student will be able to: o continuously apply the principles of radiation protection and infection control during the dental imaging of a patient o identify, describe and provide differential diagnoses to pathologic cysts and tumours visible on any of the radiographic imaging techniques performed o write a radiology report of a lesion identified radiographically on any of the radiographic imaging techniques within the scope of a dentist. o prescribe the most appropriate radiographic imaging for any pathology relevant to the scope of a dentist. o identify, interpret and provide a differential diagnoses to soft tissue calcifications. o identify, interpret and provide differential diagnoses to aberrations seen radiographically in the TMJ region. o identify, interpret and provide differential diagnoses of pathologies identified radiographically on paranasal sinuses. The course is aimed to provide both theoretical aspects of hard tissue pathology of the head and neck supported by practical interpretation thereof in the clinical setting. The content teaches students to interpret and differentiate normal and pathologic structures on radiographs of the head and neck as performed in clinical dental practice. The course in hard tissue pathology serves as the basis for clinical surgical subjects who will manage/treat the diseases. The course will also provide the student with a sound basis in Forensic Odontology to enable the qualified dentist to support police investigations when requested to do so.

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	20	3	090309
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**

	SMU		FT		y
Periods per week:	**Classes**	**Practical**	**Tutorial**	**Seminars**	**Independent Learning**
	2x40 min	1x120 Min	None	None	None
Pre-requisite modules for this module:	All BDS III modules				
Co-requisites modules for module:	All BDS IV Modules				
Assessment Criteria	• Apply the principles of radiation protection and infection control during the patient imaging procedure • Identify, describe and provide differential diagnoses to pathologic cysts and tumours visible on any of the radiographic imaging techniques performed • Write a radiology report for a lesion identified radiographically on any of the radiographic imaging techniques within the scope of a dentist. • Prescribe the most appropriate radiograph to assess any pathology relevant to the scope of a dentist. • Identify, interpret and provide a radiological differential diagnosis to pathological soft tissue calcifications. • Identify, interpret and provide differential diagnoses to aberrations seen radiographically in the TMJ region form any projection appropriate to the evaluation of the TMJ • Identify, interpret and provide differential diagnoses of pathologies identified radiographically on paranasal sinuses. Students will be able to present useful radiographic diagnostic information to the clinicians for the early interpretation of pathology on radiographic images: further, they will be able to assist in selecting the correct treatment- and follow-up plan for patients. Student will be able to interpret dental evidence in cases of mass disaster, person identification, bite mark evidence as well as malpractice and fraud in dental practices.				
Assessment Methods	Tests, oral and written examination, radiology reports, assignments				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Computer Based Exam			
	Duration	3 hours			
	% of Exam Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION							
Department:	Oral Medicine and Periodontology					**School:**	SD
Last Revision date:	2019			**First Year Offered (New):**	2020		
Replace this Module existing module(s)?				**If YES, give the module codes:**			
Module linked to Qualification/s:	BOH02	BOH01					
Module Code: (4 alphabetic & 3 numeric)	MPEA020						

<table>
<tr><td colspan="2">Module Name:</td><td colspan="5">Periodontology for Oral Hygienists</td></tr>
<tr><td colspan="2">Content:</td><td colspan="5">Periodontology: Embryology, Anatomy and history of the periodontium, Etiology and periodontal diseases, The prevention of periodontal diseases, Histopathogenesis and immunopathogenesis of periodontal disease, Gingivitis, Periodontitis, Classification of periodontal diseases, Periodontal pocketing, Radiographic features of periodontal disease, Furcations, Recession, The initial phase of therapy, The maintenance phase of therapy, The role of the Oral Hygienist in specialist practice. Placement and removal of periodontal sutures and packs.

Pathology: Acute and Chronic Inflammation: The acute inflammatory reaction in the oral cavity: Complications of acute inflammation in the oral cavity; the chronic inflammatory reaction in the oral cavity; Complications of chronic inflammation in the oral cavity. Assessment criteria: You will be able to: Explain the signs and symptoms of acute inflammation in the oral cavity; predict the complications of untreated acute inflammation in the oral cavity; explain the signs and symptoms of chronic inflammation in the oral cavity; predict the complications of untreated chronic inflammation in the oral cavity.</td></tr>
<tr><td colspan="2">Learning Outcomes:</td><td colspan="5">At the end of the module, the student will be able to:
• Understand the non-surgical phase of periodontal therapy
• Understand the pathogenesis of periodontal disease
• Know the classification of periodontal diseases
• Understand the principles of management of Periodontal disease</td></tr>
<tr><td colspan="2" rowspan="2">Module Information:</td><td>SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</td><td colspan="2">ITS Course Level</td><td colspan="2">CESM Code (3rd Order) (Six Numbers)</td></tr>
<tr><td>12</td><td colspan="2">3</td><td colspan="2">090311</td></tr>
<tr><td colspan="2" rowspan="2">Delivery Information:</td><td>Campus</td><td colspan="2">Full/Part Time</td><td colspan="2">Period (Year/1st/2ndSem)</td></tr>
<tr><td>SMU</td><td colspan="2">Full Time</td><td colspan="2">Year = 2nd</td></tr>
<tr><td colspan="2" rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>1</td><td>1 X 160 minutes</td><td>none</td><td>none</td><td>none</td></tr>
<tr><td colspan="2">Pre-requisite modules for this module:</td><td colspan="5">MANB011, MORB010</td></tr>
<tr><td colspan="2">Co-requisites modules for module:</td><td colspan="5">None</td></tr>
<tr><td colspan="2">Assessment criteria</td><td colspan="5">At the end of the module, the student will:
• Describe the non-surgical phase of periodontal therapy
• Demonstrate knowledge of the pathogenesis of periodontal disease
• Describe the classification of periodontal diseases</td></tr>
<tr><td colspan="2">Assessment method</td><td colspan="5">Formative assessments/tests and Osce's, Summative assessments. Supervised Clinical training - the student should achieve certain minimum clinical requirements</td></tr>
<tr><td rowspan="4">Mark Structure:</td><td colspan="2">Minimum Form Assessment Mark for exam admission (%)</td><td colspan="5">40%
Minimal Clinical Requirements outlined in course guide</td></tr>
<tr><td rowspan="2"></td><td>% Formative Assessment Mark</td><td colspan="5">60%</td></tr>
<tr><td>% Summative Assessment Mark</td><td colspan="5">40%</td></tr>
<tr><td colspan="2">Minimum final mark to pass (%)</td><td colspan="5">50%</td></tr>
<tr><td colspan="2">Summative</td><td>Paper 1</td><td>Paper 2</td><td>Paper 3</td><td colspan="2">Paper 4</td></tr>
</table>

Assessment Paper:	Theory/practical	Theory	OSCE		
	Duration	3 hrs	1 hour		
	% contribution to Summative Assessment Mark	60%	40%		
	Sub minimum	40%	50%		

MODULAR INFORMATION							
Department:	Oral Medicine and Periodontology				**School:**	DENTISTRY	
Last Revision date:	2019			**First Year Offered (New):**	2020		
Replace this Module existing module(s)?	YES			**If YES, give the module codes:**	MPEA020		
Module linked to Qualification/s:	BDT02						

Module Code: (4 alphabetic & 3 numeric)	MPER020
Module Name:	Periodontology for Dental Therapists
Content:	Periodontology: Embryology, Anatomy and history of the periodontium, Etiology and periodontal diseases, The prevention of periodontal diseases, Histopathogenesis and immunopathogenesis of periodontal disease, Gingivitis, Periodontitis, Classification of periodontal diseases, Periodontal pocketing, Radiographic features of periodontal disease, Furcations, Recession, The initial phase of therapy, The maintenance phase of therapy, The role of the Dental therapist in specialist practice. Placement and removal of periodontal sutures and packs. Pathology: Acute and Chronic Inflammation: The acute inflammatory reaction in the oral cavity: Complications of acute inflammation in the oral cavity; the chronic inflammatory reaction in the oral cavity; Complications of chronic inflammation in the oral cavity. Assessment criteria: You will be able to: Explain the signs and symptoms of acute inflammation in the oral cavity; predict the complications of untreated acute inflammation in the oral cavity; explain the signs and symptoms of chronic inflammation in the oral cavity; predict the complications of untreated chronic inflammation in the oral cavity.
Learning Outcomes:	At the end of the module, the student will be able to: • Understand the non-surgical phase of periodontal therapy • Understand the pathogenesis of periodontal disease • Know the classification of periodontal diseases • Understand the principles of management of Periodontal disease

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	16	3	090311

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	Full Time	Year = 2nd

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1	1 X 160 minutes	none	none	none

Pre-requisite modules for this module:	MANB011, MORB010

Co-requisites modules for module:			None			
Assessment criteria			At the end of the module, the student will: • Describe the non-surgical phase of periodontal therapy • Demonstrate knowledge of the pathogenesis of periodontal disease • Describe the classification of periodontal diseases			
Assessment method			Formative assessments/tests and Osce's, Summative assessments. Supervised Clinical training - the student should achieve certain minimum clinical requirements			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40% Minimal Clinical Requirements outlined in course guide			
		% Formative Assessment Mark	60%			
		% Summative Assessment Mark	40%			
	Minimum final mark to pass (%)		50%			
Summative Assessment Paper:			**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical		Theory	OSCE		
	Duration		3 hrs	1 hour		
	% contribution to Summative Assessment Mark		60%	40%		
	Sub minimum		40%	50%		

MODULAR INFORMATION						
Department: ORAL MEDICINE AND PERIODONTOLOGY			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New)** 2019			
Replace this Module existing module(s)? NO			**If YES, give the module code**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	MPEB030					
Module Name:	PERIODONTOLOGY I					
Content:	• Introduction to the course • Periodontal macro- and micro-anatomy • Non-surgical phase of periodontal therapy • Classification of periodontal disease • Pathogenesis of periodontal disease • Periodontal surgery • Dental implants and peri-implantology					
Learning Outcomes	The course in Periodontology will enable the student to perform accurate clini examination and diagnoses of patients with periodontal disease. Students are a equipped to draw up relevant treatment plans and to prescribe and perform necessa treatment procedures of non-surgical management of patients with periodontal disea The course also leads to An understanding of different periodontal surgical treatm modalities, referral of patients to the periodontist, and serves to familiarize the student w the biologic rationale, technical component and outcomes of the different types periodontal surgery. This course is offered during the third and fourth years of the degree. The depth a weighting of the course is specific to the degree course. Despite the objectives a						

	outcomes as listed in the study guide, the teaching programme may be changed at t discretion of the Department of Periodontology and Oral Medicine to ensure success delivery of this course					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	8		3		090311	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**	
	SMU		FT (Contact)		Y	
Periods per week:	**Classes**	**Practical**	**Tutorial**	**Seminars**	**Independent Learning**	
	1	3	0	None	None	
Pre-requisite modules for this module:						
Co-requisites modules for module:						
Assessment Criteria	Diagnose and manage the non-surgical phase of periodontal therapy Discuss the pathogenesis of periodontal disease Explain and diagnose periodontal diseases					
Assessment Methods	Formative assessment: Unscheduled class tests Summative assessment: Two scheduled tests Integrated clinical assessments: Two objective-structured clinical examination (OSCE) tests are given during the same assessment period as the tests. Clinical assessment: clinical quota,tests, assignments, osce's, practical work, achieveme of certain minimum clinical requirements. A clinical mark is calculated as outlined in the departmental learner guide.					

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		No examination takes place at the end of the third year in this course. Students promote this course based on the year mark achieved. Summative examination takes place at the end of the 4th year of study
	Final mark =	% Formative Assessment Mark	100%
		% Summative Assessment Mark	
	Minimum final mark to pass (%)		

MODULAR INFORMATION						
Department: ORAL MEDICINE AND PERIODONTOLOGY			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	MPEC040					
Module Name:	PERIODONTOLOGY II					
Content:	• Introduction to the course • Periodontal macro- and microanatomy • Non-surgical phase of periodontal therapy • Classification of periodontal disease • Pathogenesis of periodontal disease • Periodontal surgery Dental implants and peri-implant pathology					

Learning Outcomes	The course in Periodontology will enable the student to perform accurate clinical examination and diagnoses of patients with periodontal disease. Students are also equipped to draw up relevant treatment plans and to prescribe and perform necessary treatment procedures of non-surgical management of patients with periodontal disease. The course also leads to an understanding of different periodontal surgical treatment modalities, referral of patients to the periodontist, and serves to familiarize the student with the biologic rationale, technical component and outcomes of the different types of periodontal surgery. This course is offered during the third and fourth years of the degree. The depth and weighting of the course is specific to the degree course. Despite the objectives and outcomes as listed in the study guide, there will be some overlap in the teaching programme and the programme may be changed at the discretion of the Department of Periodontology and Oral Medicine					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	12		3		090311	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**	
	SMU		FT		Y	
Periods per week: 36	**Classes**	**Practical**	**Tutorial**	**Seminars**	**Independent Learning**	
	1 x 40	1 x 2hr	0	None	None	
Pre-requisite modules for this module:	PERI301 and ORME301					
Co-requisites modules for module:	ORME401					
Assessment Criteria	Describe the general guidelines of periodontal surgery Discuss the different types of periodontal flap procedures and their indications Describe the different types of periodontal osseous defects and their possible treatment modalities. Diagnose the different types of furcation lesion and their possible treatment modalities Explain the different types of periodontal regenerative procedures (enamel matrix proteins, guided tissue regeneration, bone graft and implant materials, resorbable and non-resorbable membranes). Differentiate the different mucogingival surgical procedures and their indications Describe the clinical crown lengthening surgical procedure Describe the suture and dressing materials used in periodontal surgery Describe the outcomes, side-effects, complications of the different types of periodontal surgical procedures. Describe the basic biological and surgical principles of osseointegrated oral implants Describe osseointegration Describe the clinical considerations, indications and contra-indications for implant placement Diagnose and manage peri-implant diseases					
Assessment Methods	Tests, assignments, osce's, practical work, achievement of certain minimum clinical requirements, 3hr examination					

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	OSCE		

	Duration	3 hours	2 hours		
	% of Exam Mark	50%	50%		
	Sub minimum	40%	50%		

MODULAR INFORMATION							
Department:	Physiology			**School:**	School of Medicine		
Last Revision date:	2021			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	No			**If YES, give the module codes:**			
Module linked to Qualification/s:		B DS01					
Module Code: (4 alphabetic & 3 numeric)	MPLA020						
Module Name:	PHYSIOLOGY FOR DENTISTRY						
Content:	**GENERAL PHYSIOLOGY** General as well as advanced knowledge on selected areas in Physiology (including excitable tissues, the cardiovascular system, blood & Immunity, the gastrointestinal system, endocrinology, body temperature, neurophysiology, special senses, respiration, renal physiology, body fluids, acid base) and Physiological Chemistry **PHYSIOLOGY PRACTICALS** Practicals on selected topics to illustrated the theory						
Learning Outcomes	• The student will be able to demonstrate an understanding of the contribution of the different body systems to the maintenance of homeostasis, as well as the mechanisms which give rise to associated pathophysiology. • The student will be able to demonstrate competency to measure selected physiological phenomena • The student will display the ability to analyse problems of a physiological nature within the the context of dentistry.						
Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**		**ITS Course Level**		**CESM Code (3rd Order) (Six Numbers)**		
	32		3		130801		
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**		
	SMU		Full time		Year		
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**		
	8	3	0	0	2		
Pre-requisite modules for this module:	MBLC010; MCHM010; MBEH010; MBPC010; MINM010; MICL1010; MEHS010						
Co-requisites modules for module:	MANA020; MCDB020						
Assessment Criteria	The student must be able to: • Explain how the physiological systems respond to a disruption in homeostasis • Explain the mechanisms involved in the development of pathological conditions • Integrate the basic physiology in order to analyze problems of a physiological nature in dentistry						
Assessment Methods	Assessment will comply in all respects with the SMU Assessment Policy and the NQF guidelines for validity, reliability, fairness and practicability/feasibility. • Formative assessment methods include observation methods, oral						

	questions, practical exercises and demonstrations, self-assessment as well as tests. Not all formative assessments are scored, but feedback is provided. Scored formative assessments contribute 60% towards the final mark. • The summative assessment methods include an end of year written and oral examination paper. Summative assessment contributes 40% towards the final mark.

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory		N/A	N/A
	Duration	3 hrs		N/A	N/A
	% contribution to Summative Assessment Mark	100%		N/A	N/A
	Sub minimum	40%		N/A	N/A

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:		BDT02	BOH02			

Module Code: (4 alphabetic & 3 numeric)	MPHL010
Module Name:	PHYSIOLOGY
Content:	**GENERAL PHYSIOLOGY** Systems of the body as a broad overview of the chemical and mechanical processes that occur in the human body as a whole, with emphasis on the processes and mechanisms that play a major role in the oral cavity including functional organization of human body and homeostasis, the cell and its functions, neuronal physiology, special senses, blood vessels, blood pressure and blood, cardiac, muscular, respiratory and digestive physiology, body defenses and endocrinology.
Learning Outcomes	The student will be able to, in the context of an oral hygienist - • demonstrate an understanding of: • the contribution of the different body systems to the maintenance of homeostasis, as well as the mechanisms which give rise to associated pathophysiology. • the levels of structural complexity within the body • the functional organization of the human body and homeostasis • major systems, their major components and functions • components of the cell, cytoskeleton, the functions of the cell and the process of cell division • process of osmosis and diffusion, active versus passive transport which explains how molecules move within and between body compartments • the functions of the nervous system, which includes the nerve cells and the muscle cells and the response of nervous tissue injury. • the structure, components and functions of the central nervous system and the

	effects of autonomic nervous system on various organs. • the structure and functions of the central and peripheral nervous system. • the structure and functions of the respiratory system • the structure and functions of the urinary system • the structure and functions of the digestive system • structure and function of the heart and determinants of cardiac output. • the specialized group of sensory receptors found outside the brain in the ears, eyes, nose and oral cavity. • the structure, function of blood vessels and various blood cells and the stages involved in haemostasis • the structure and function of the endocrine system and the actions of various hormones on the body.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	8		3		130801
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2	0	0	0	Y
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria	The student must be able to: • Describe the levels of structural complexity within the body • Describe the functional organization of the human body and homeostasis • Outline the eleven major systems, their major components and functions • Explain the components of the cell, cytoskeleton, the functions of the cell and the process of cell division • Outline process of osmosis and diffusion, active versus passive transport which explains how molecules move within and between body compartments • Explain the functions of the nervous system, which includes the nerve cells and the muscle cells and the response of nervous tissue injury. • Outline the structure, components and functions of the central nervous system and the effects of autonomic nervous system on various organs. • Explain the structure and functions of the central and peripheral nervous system. • Explain the structure and functions of the respiratory system • Explain the structure and functions of the urinary system • Explain the structure and functions of the digestive system • Discuss the structure and function of the heart and determinants of cardiac output. • Discuss the specialized group of sensory receptors found outside the brain in the ears, eyes, nose and oral cavity. • Explain structure, function of blood vessels and various blood cells and the stages involved in haemostasis • Explain the structure and function of the endocrine system and the actions of various hormones on the body.				
Assessment Methods	Tests, group presentations, written papers				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%

	Minimum final mark to pass (%)			50%	
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	N/A	N/A	N/A
	Duration	3 hrs	N/A	N/A	N/A
	% of Exam Mark	50%	N/A	N/A	N/A
	Sub minimum	40%	N/A	N/A	N/A

MODULAR INFORMATION						
Department: INTEGRATED CLINICAL DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Module Code: (4 alphabetic & 3 numeric)	**MRDA050**					
Module Name:	**PROBLEM BASED LEARNING**					
Content:	Minimum number of 7 (seven) PBL cases must be included in the portfolio					
Learning Outcomes	**At the end of this module the students must be able to:** 1. work effectively as an individual in teams with the capacity to undertake life-long learning 2. communicate with peers in a professional manner 3. Evaluate all available information to create the solution to the problem 4. display the capacity and value to participate in projects which require teamwork 5. apply leadership skills in a group 6. compile a PowerPoint case presentation that can be followed by the audience, teach the audience about their learning, respond to questions with good clinical reasoning skills 7. compile a case report					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	12		4		090302	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**	
	SMU		FT		Y	
Academic weeks : 36 **Periods per week:**	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
	1		1		y	
Pre-requisite modules for this module:	All 4th year modules					
Co-requisites modules for module:	ALL FINAL YEAR MODULES: CCLC501/MCDA050, SELE501, ELEC501/MELA050					
Assessment Criteria	**At the end of this module, the student will be able to:** • determine independently how and where to search for relevant literature and present literature supported knowledge to the group within the time-lines set-out by the group • present a report of the assigned task to group mates in a professional manner, and clarify questions asked in a professional manner • analyse given information and apply critical thinking skills to make decisions					

	and solve problems • work effectively with other group members in a positive and coherent manner when solving problems • demonstrate leadership skills in the manner he/she assume roles in the group, interacts with peers and taking ownership of learning and managing time • demonstrate good communication skills during case presentation by communicating effectively using visual/language skills in the modes of oral and written presentation (slides are clear and no grammar mistakes) • formulate oral and written report as a group and submit on time
Assessment Methods	Short Written assessment at the end of each PBL Observation of participation, Short answer questions, case presentation, peer feedback, written report

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Continuous Assessment Mark	100%
		% Summative Assessment Mark	N/A
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 1**	**Paper 3**	**Paper 4**
	Theory / Practical	Not applicable			
	Duration				
	% of Exam Mark				
	Sub minimum				

MODULAR INFORMATION						
Department: PROSTHODONTICS				**School:** DENTISTRY		
Last Revision date: 2021				**First Year Offered (New):** 2015		
Replace this Module existing module(s)? NO				**If YES, give the module codes:**		
Module linked to Qualification/s:	BDS01					
78						

Module Code: (4 alphabetic & 3 numeric)	MPRA020
Module Name:	PROSTHODONTICS I
Content:	Introduction: The module is stratified into units which cover the theoretical and practical aspects of complete denture prosthodontics. Practical exercises involving the laboratory fabrication of various prostheses are a requirement and students will be required to complete these to a satisfactory level. Course Purpose Statement: At the end of this course students will have gained the necessary psychomotor and cognitive skills to fabricate complete dentures including knowledge of the oral anatomy of the edentulous mouth, associated dental materials used in the laboratory procedures and techniques required to fabricate complete dentures.
Learning Outcomes	By the end of this module, students will have the cognitive and psychomotor skills to be able to: 1. Demonstrate knowledge of the anatomy of the edentulous mouth and how it relates to complete denture prosthodontics 2. Carry out technical exercises to construct various complete denture laboratory procedures viz a viz with Class I; Class 2 and Class 3 skeletal and dental

	relationships 3. Describe the factors to be taken into account to create a balanced articulation for Angle Class I, II and III jaw relationships 4. Use an average movement articulator during the various technical exercises and understand the rationale for its use				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	36		3		090312
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		Y
Periods per week: 36 Weeks	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1x45 min	1x3hr 1st sem and 2nd sem 1x4hr 2nd sem and 2nd sem			
Pre-requisite modules for this module:	0				
Co-requisites modules for module:	0				
Assessment Criteria	The minimum technical criteria must be fulfilled. Students will be assessed on their psychomotor skills on the basis of their ability to complete all procedures associated with the construction and refinement of complete dentures (including the associated dental materials) to an acceptable technical standard. They will also be assessed on their cognitive skills on the ability to identify and understand the associated problems and errors that may occur with complete denture prosthodontics. Additional requirements as stipulated in the MPRA020 study guide.				
Assessment Methods	The University rules informing formative/continuous and summative/end of year assessment prevail (Rule G12-20). Assessment can include any topic previously covered as the subject should be seen as a continuum of continuously acquired knowledge building on from previous modules and at times modifying knowledge previously learnt, and not as discreet pockets of knowledge. Continuous assessment of knowledge will be the cornerstone of the assessment requirements. Students will be assessed through various methods, including but not limited to: 1. Written tests 2. Practical/technical tests 3. Assignments 4. Reflection reports/journals 5. Written technical topics tests (OSCE)				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	OSCE		
	Duration	3 hours	2 hours		
	% of Exam Mark	60%	40%		
	Sub minimum	40%	50%		

MODULAR INFORMATION							
Department: PROSTHODONTICS			**School:** DENTISTRY				
Last Revision date: 2019			**First Year Offered (New):** 2015				
Replace this Module existing module(s)? NO			**If YES, give the module codes:**				
Module linked to Qualification/s:	BDS01						

Module Code: (4 alphabetic & 3 numeric)	MPRA030
Module Name:	PROSTHODONTICS II
Content:	Introduction: The module is stratified into units which cover the theoretical and practical aspects of complete and partial denture prosthodontics. The module is principally clinical. Students will be required to complete a minimum number of clinical/technical procedures in removable prosthodontics. Course Purpose Statement: At the end of this module students will have gained the necessary psychomotor, cognitive and affective skills to undertake clinical practice in the field of removable prosthodontics; including knowledge of the associated dental materials used in both laboratory and clinical procedures required in removable prosthodontics.
Learning Outcomes	By the end of this module students will have the cognitive, affective and psychomotor skills to be able to: 1. Demonstrate an increased knowledge of the i) biological basis of the principles of complete denture prosthodontics viz a viz denture support and retention ii) biological considerations in jaw relations, jaw movements and mastication and describe the essentials of the various occlusal schemes and methods used in complete dentures 2. Have an understanding of the science, properties and application of the various dental materials used in removable prosthodontics and how and why they are used under different clinical situations 3. Demonstrate an understanding of the principles underpinning partial denture prosthodontics 4. Have developed the necessary skills required to demonstrate empathy in managing and advising patients suffering partial or complete edentulism

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	24	3	090312
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week: 36 Weeks	**Classes**	**Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2x40 min	2x2hr			

Pre-requisite modules for this module:	0
Co-requisites modules for module:	0
Assessment Criteria	The minimum technical/clinical criteria must be fulfilled in the time given by performing the required clinical/technical procedures to an acceptable quality. Students will be assessed on their cognitive and psychomotor skills on the basis of their ability to complete all procedures associated with the construction and refinement of removable prostheses (including the associated dental materials) to an acceptable technical and clinical standard and the identification and understanding of any associated problems and errors that may occur with removable prostheses.

Assessment Methods	The University rules informing formative/continuous and summative/end of year assessment prevail (Rule G12-20). Assessment can include any topic previously covered as the subject should be seen as a continuum of continuously acquired knowledge building on from previous modules and at times modifying knowledge previously learnt, and not as discreet pockets of knowledge. Continuous assessment of knowledge will be the cornerstone of the assessment requirements. Students will be assessed through various methods, including but not limited to: • Written tests • Clinical/technical tests • Assignments • Reflection reports/journals • Written clinical topics tests (OSCE)

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	OSCE		
	Duration	3 hours	2 hours		
	% of Exam Mark	60%	40%		
	Sub minimum	40%	50%		

MODULAR INFORMATION						
Department: PROSTHODONTICS			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					

Module Code: (4 alphabetic & 3 numeric)	MPRA040
Module Name:	PROSTHODONTICS III
Content:	Introduction: The module is stratified into units which cover the theoretical and practical/clinical aspects of complete and partial denture prosthodontics, as well as a technical course in fixed prosthodontics. The module is principally clinical. Students will be required to complete a minimum number of clinical and technical procedures in removable and fixed prosthodontics respectively. Course Purpose Statement: At the end of this module students will have gained the necessary psychomotor, cognitive and affective skills to undertake clinical practice in the field of removable prosthodontics and the techniques associated with the practice of fixed prosthodontics, including knowledge of the associated dental materials used in both laboratory and clinical procedures required in prosthodontics.
Learning Outcomes	By the end of this module, students will have the cognitive, affective and psychomotor skills to be able to: • Critically evaluate the influence of complete and partial dentures on the remaining soft tissues and the underlying bony support • Understand the scope and limitations of complete and partial dentures together with the biocompatibility and physical properties of the materials used their construction

	• Understand the socio-economic consequences of tooth loss and replacement, the role of a complete and partial denture service for communities served and in relation to a national oral health policy within a national health service • Develop a biologic rationale for the restoration of occlusal function and harmony in dentate patients and how various types of articulators assist in this process • Perform the technical/practical procedures involved in production of various cast restorations

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	36	3	090312

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week: 36 Weeks	**Classes**	**Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2X40 MIN	7 X 1 HR			

Pre-requisite modules for this module:	0
Co-requisites modules for module:	0
Assessment Criteria	Assessment can include any topic previously covered from BDS 2, as the module should be seen as a continuum of continuously acquired knowledge building on from previously modules and at times modifying knowledge previously learned. The minimum clinical/technical criteria must be fulfilled in the time given by performing the required clinical/technical procedures to an acceptable quality. Students will be assessed on their cognitive, affective and psychomotor skills on the basis of their ability to complete all procedures associated with the construction and refinement of removable prostheses (including the associated dental materials) to an acceptable technical/clinical standard and the identification and understanding of any associated problems and errors that may occur with removable prosthodontics. Students will also be assessed on their cognitive and psychomotor skills on the basis of their ability to complete all the requirements of the fixed prosthodontics course to an acceptable level.
Assessment Methods	The University rules informing formative/continuous and summative/end of year assessment prevail (Rule G12-20). Assessment can include any topic previously covered as the subject should be seen as a continuum of continuously acquired knowledge building on from previous modules and at times modifying knowledge previously learnt, and not as discreet pockets of knowledge. Continuous assessment of knowledge will be the cornerstone of the assessment requirements. Students will be assessed through various methods, including but not limited to: • Written tests • clinical tests • Assignments • Reflection reports/journals • Written clinical topics tests (OSCE)

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	OSCE		
	Duration	3 hours	2 hours		
	% of Exam Mark	60%	40%		

	Sub minimum	40%	50%		

MODULAR INFORMATION						
Department:	PSYCHOLOGY		**School:**	MEDICINE		
Last Revision date:	2024		**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	NO		**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01					
Migration Strategy:	(If YES, Section G must also be completed)					

Module Code (4 alphabetic & 3 numeric)	**MPSD031**
Module Name	PSYCHOLOGY FOR DENTISTRY
NQF Level of this module	
Purpose of the module	Dental students and dentists in practice are faced with the challenge of interacting with patients and staff members on a daily basis when carrying out their functions. The purpose of this module is to provide students with an understanding of mental processes and behaviour which form the basis for application of concepts, principles and theories of psychology applicable to dental practice.
Content (list topics):	The application of psychological principles to dental practice including the dentist/ in the dental office, • interviewing and communication skills, • patient anxiety, • fear and pain patient relationship, • behavioural interventions related to practice, • stress and conflict management, • patient compliance
Exit Level Outcomes addressed by this module	

Teaching and Learning Activities (contact lecture; remote lecture; practical demonstration; synchronous/semi-synchronous/asynchronous e-learning activities; online discussion forum; group work; self study; etc. **Indicate the proportion of each in a table format by using percentages**	***Time Estimation***	***Face-to-face contact sessions***	***Blackboard LMS Activities***	***Non-LMS Independent Learning, inc. Assignments***	***Assessment***	***Practicals & Other Activities (Specify)***
	Learning Time Percentage Split					
	*Total Notional Hours estimations (over **18** weeks)*					
	Notional Hours per Week Estimations					
	8 Credits = 80 notional hours					

Work integrated Learning/clinical practice	
Total credits for WIL	
Level at which WIL commences	

and tabulate the programme/blocks	
Prescribed/recommended texts	

Learning outcomes	**Assessment Criteria**
Dental students and dentists in practice are faced with the challenge of interacting with patients and staff members on a daily basis when carrying out their functions. The purpose of this module is to provide students with an understanding of mental processes and behaviour which form the basis for application of concepts, principles and theories of psychology applicable to dental practice.	Students must be able to explain the interaction between mental processes and behaviour; be able to name and describe the basic concepts, principles, and theories of psychology applicable to dentistry; and be able to link this knowledge to dental practice and apply it critically.

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	8	3	180101
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	**Full time**	**1ST SEM**

Periods per week:	**Classes Contact & Remote/online**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning (including e-learning)**
	1 X 40 min		4 / 1ST SEM		

Pre-requisite modules for this module:	MBEH010
Co-requisites modules for module:	
Assessment strategy	**Formative Assessment Methods**: Comprehensive, formative (includes group and individual assignments, and tests). Practical work seminars, as well as the presentation of specific allocated case studies relevant to the thrust of the degree will also be used. **Summative Assessment Methods**: Theoretical summative assessment
Internal Moderation	
External Moderation	

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final Mark	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory/practical	Theory			
	Duration	3 hours			
	% contribution to Summative Assessment Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION							
Department:	MAXILLOFACIAL ORAL RADIOLOGY				**School:**	DENTISTRY	
Last Revision date:	2021			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BOH02	BDT02					

Module Code: (4 alphabetic & 3 numeric)	MRAB010
Module Name:	RADIOGRAPHY I
Content:	**UNIT 1: RADIATION PHYSICS** Composition of matter, Nature of radiation, the x-ray machine, Production of x-rays, Factors influencing the x-ray beam, interactions of x-rays with matter. Radiographic contrast, Film contrast, Subject contrast, Film speed, Film fog Image receptors-Dental direct exposure film, Dental indirect exposure film, Film composition, Intra-oral film packet, Cassettes and screens The darkroom; Automatic processing procedure, Manual processing procedure, **UNIT 2: RADIATION BIOLOGY** Introduction, Radiation chemistry, Radiation effects at the tissue and organ level, Effects of whole body irradiation, Dosimetry. **UNIT 3: RADIATION SAFETY AND PROTECTION** Principles of exposure and dose reduction, principle of ALARA, protection of personnel, guidelines for the prescription of radiographs ,quality assurance in Dental Radiography.
Learning Outcomes:	• At the end of this module the student will be able to: • apply the principles of radiation physics to the formation of x-rays, the workings of the x-ray machines and the different image receptors available to the dental team. • explain the effects of radiation on the biological systems. • explain the application of safety and protection measures in dental radiography • outline the guidelines for the prescription of radiographs • explain the application of quality control procedures in dental radiography •

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	16	3	090399

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week:	**Classes**	**Practical**	**Tutorial**	**Seminars**	**Independent Learning**
	1x40 min	0	None	None	None

Pre-requisite modules for this module:	None
Co-requisites modules for module:	All first year Modules
Assessment criteria	• Discuss the principles of radiation physics as they apply to the formation of x-rays • Describe the workings of the x-ray machine • Explain the effects of radiation on the biological systems during diagnostic imaging and radiation accidents

			• Explain the application of safety and protection measures during the performance of radiographic procedures • Justify the actions of prescribing specific radiographs • Discuss the importance of quality assurance in radiography practice and design a dental radiography quality assurance program for a dental practice
Assessment method			Tests, assignments, oral assessments, Formative assessments,
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		No examination – promoted on year mark
		% Formative Assessment Mark	100%
		% Summative Assessment Mark	0
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory/practical				
	Duration				
	% contribution to Summative Assessment Mark				
	Sub minimum				

MODULAR INFORMATION							
Department:	MAXILLOFACIAL ORAL RADIOLOGY				**School:**	DENTISTRY	
Last Revision date:	2021			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:		BOH02					
Module Code: (4 alphabetic & 3 numeric)	MRAB021						
Module Name:	RADIOGRAPHY II						
Content:	**UNIT 1: TECHNIQUES AND IMAGING PRINCIPLES:** <u>EXTRA-ORAL TECHNIQUES</u> Panoramic radiography: Introduction to panoramic radiography, Principles of image formation, Patient and equipment preparation Errors related to panoramic radiography Cephalometric radiography Hand-wrist radiography <u>INTRA-ORAL TECHNIQUES</u> • Bitewing radiography • Periapical radiography ○ Bisecting the angle technique ○ SLOB Rule • Occlusal radiography **UNIT 2: DIGITAL RADIOGRAPHY (including CBCT introduction)** **UNIT 3: RADIOGRAPHIC ANATOMY** Interpretation of radiographic anatomy on extra oral and intraoral radiographic projections **<u>UNIT 4: PROFESSIONALISM IN DENTAL RADIOGRAPHY</u>**						

<table>
<tr><td colspan="2"></td><td colspan="5">Guidelines by HPCSA
Guidelines by Radiation Control board
Professionalism and empathy in radiography</td></tr>
<tr><td colspan="2">Learning Outcomes:</td><td colspan="5">At the end of this module the student will be able to:
• apply the principles of radiation protection during every radiographic imaging of a patient
• perform panoramic, cephalometric, hand-wrist bitewing, periapical and occlusal radiographic techniques
• describe digital image formation and the importance of 3D radiography
• describe the anatomical structures seen on all the intra-oral and extra-oral radiographs within the scope of practice
• abide with the relevant regulatory guidelines pertaining to radiation safety and protection of a patient, personnel and the public</td></tr>
<tr><td colspan="2" rowspan="2">Module Information:</td><td colspan="2">SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</td><td colspan="2">ITS Course Level</td><td>CESM Code (3rd Order) (Six Numbers)</td></tr>
<tr><td colspan="2">16</td><td colspan="2">3</td><td>090399</td></tr>
<tr><td colspan="2" rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (Year/1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">FT</td><td>Y</td></tr>
<tr><td colspan="2" rowspan="2">Periods per week:</td><td>Classes</td><td>Practical</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>2x40 min</td><td>1</td><td>None</td><td>None</td><td>None</td></tr>
<tr><td colspan="2">Pre-requisite modules for this module:</td><td colspan="5">MRAB010/MRAA010</td></tr>
<tr><td colspan="2">Co-requisites modules for module:</td><td colspan="5">All second year modules</td></tr>
<tr><td colspan="2">Assessment criteria</td><td colspan="5">• Apply the principles of radiation protection every time they perform radiographic imaging of a patient
• Describe and perform panoramic, cephalometric, hand-wrist bitewing, periapical and occlusal radiographic techniques applicable to dentistry
• Describe digital image formation and the importance of 3D radiography
• Identify and describe the anatomical structures seen on all the radiographs relevant to the scope of practice
• Apply the regulatory guidelines relevant to radiographic imaging of a patient
• Demonstrate empathy and professionalism during the radiographic imaging of a patient</td></tr>
<tr><td colspan="2">Assessment method</td><td colspan="5">Formative assessments, assignments, oral assessments
Clinical competency evaluations</td></tr>
<tr><td rowspan="4">Mark Structure:</td><td colspan="2">Minimum Form Assessment Mark for exam admission (%)</td><td colspan="5">No examination – promoted on year mark</td></tr>
<tr><td></td><td>% Formative Assessment Mark</td><td colspan="5">100%</td></tr>
<tr><td></td><td>% Summative Assessment Mark</td><td colspan="5">0</td></tr>
<tr><td colspan="2">Minimum final mark to pass (%)</td><td colspan="5">50%</td></tr>
<tr><td rowspan="4">Summative Assessment Paper:</td><td></td><td>Paper 1</td><td>Paper 2</td><td>Paper 3</td><td>Paper 4</td></tr>
<tr><td>Theory/practical</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Duration</td><td></td><td></td><td></td><td></td></tr>
<tr><td>% contribution to Summative Assessment Mark</td><td></td><td></td><td></td><td></td></tr>
</table>

	Sub minimum				

MODULAR INFORMATION							
Department:	MAXILLOFACIAL ORAL RADIOLOGY				**School:**	DENTISTRY	
Last Revision date:	2021			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:		BDT02					

Module Code: (4 alphabetic & 3 numeric)	MRAB021
Module Name:	RADIOGRAPHY II
Content:	**UNIT 1: TECHNIQUES AND IMAGING PRINCIPLES:** EXTRA-ORAL TECHNIQUES Panoramic radiography: Introduction to panoramic radiography, Principles of image formation, Patient and equipment preparation Errors related to panoramic radiography INTRA-ORAL TECHNIQUES • Bitewing radiography • Periapical radiography ○ Bisecting the angle technique ○ SLOB Rule **UNIT 2: RADIOGRAPHIC ANATOMY** Interpretation of radiographic anatomy on extra oral and intraoral radiographic projections **UNIT 3: PROFESSIONALISM IN DENTAL RADIOGRAPHY** Guidelines by HPCSA Guidelines by Radiation Control board Professionalism and empathy in radiography
Learning Outcomes:	At the end of this module the student will be able to: • apply the principles of radiation protection during every radiographic imaging of a patient • perform panoramic, cephalometric, hand-wrist bitewing, periapical and occlusal radiographic techniques • describe digital image formation and the importance of 3D radiography • describe the anatomical structures seen on all the intra-oral and extra-oral radiographs within the scope of practice abide with the relevant regulatory guidelines pertaining to radiation safety and protection of a patient, personnel and the public

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	16	3	090399

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week:	**Classes**	**Practical**	**Tutorial**	**Seminars**	**Independent Learning**
	2x40 min	1	None	None	None

Pre-requisite modules for this module:	MRAB010/MRAA010

Co-requisites modules for module:			All second year modules			
Assessment criteria			• Apply the principles of radiation protection every time they perform radiographic imaging of a patient • Describe and perform panoramic, cephalometric, hand-wrist bitewing, periapical and occlusal radiographic techniques applicable to dentistry • Describe digital image formation and the importance of 3D radiography • Identify and describe the anatomical structures seen on all the radiographs relevant to the scope of practice • Apply the regulatory guidelines relevant to radiographic imaging of a patient • Demonstrate empathy and professionalism during the radiographic imaging of a patient			
Assessment method			Formative assessments, assignments, oral assessments Clinical competency evaluations			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		No examination – promoted on year mark			
		% Formative Assessment Mark	100%			
		% Summative Assessment Mark	0			
	Minimum final mark to pass (%)		50%			
Summative Assessment Paper:			**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical					
	Duration					
	% contribution to Summative Assessment Mark					
	Sub minimum					

MODULAR INFORMATION						
Department:	MAXILLOFACIAL ORAL RADIOLOGY			**School:**	DENTISTRY	
Last Revision date:	2021		**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	NO		**If YES, give the module codes:**			
Module linked to Qualification/s:	BDT02					
Module Code: (4 alphabetic & 3 numeric)	MMXD031					
Module Name:	RADIOGRAPHY III					
Content:	UNIT I: Skull radiography • Posterior anterior (PA mandible) • Occipito-mental view (OM) UNIT II**: PRINCIPLES OF RADIOGRAPHIC INTERPRETATION** Principles of radiographic interpretation Dental carries Periodontal disease Developmental abnormalities Trauma of the teeth and jaws Radiographic Interpretation of pulpal and periapical disease Root resorption inflammatory lesions of the jaws.					

<table>
<tr><td colspan="2"></td><td colspan="5">Fibro osseous lesions
Radiographic interpretation of odontogenic and non-odontogenic cysts and neoplasms
Radiographic interpretation of TMJ
Radiographic interpretation of pathology of the paranasal sinuses
Radiographic interpretation of soft tissue calcifications</td></tr>
<tr><td colspan="2">Learning Outcomes:</td><td colspan="5">At the end of this module the student will be able to:
• perform skull radiography within the scope of practice
• discuss and apply the principles of radiographic interpretation to interpret pathology evident on intra-oral and extra-oral dental radiographs
• Write a radiology report on a pathological lesion seen in a radiographic image</td></tr>
<tr><td colspan="2" rowspan="2">Module Information:</td><td>SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</td><td colspan="2">ITS Course Level</td><td colspan="2">CESM Code (3rd Order) (Six Numbers)</td></tr>
<tr><td>16</td><td colspan="2">3</td><td colspan="2">090399</td></tr>
<tr><td colspan="2" rowspan="2">Delivery Information:</td><td>Campus</td><td colspan="2">Full/Part Time</td><td colspan="2">Period (Year/1st/2ndSem)</td></tr>
<tr><td>SMU</td><td colspan="2">FT</td><td colspan="2">Y</td></tr>
<tr><td colspan="2" rowspan="2">Periods per week:</td><td>Classes</td><td>Practical</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>2x40 min</td><td>2hrs (1 hour patient care 1 hour seminar)</td><td>None</td><td>1 hour from allocated clinical time</td><td>None</td></tr>
<tr><td colspan="2">Pre-requisite modules for this module:</td><td colspan="5">MRAB020</td></tr>
<tr><td colspan="2">Co-requisites modules for module:</td><td colspan="5">All third year modules</td></tr>
<tr><td colspan="2">Assessment criteria</td><td colspan="5">• Apply radiation safety and protection measures and infection control in the management of a patient during radiographic imaging.
• Demonstrate empathy and professionalism during radiographic imaging of a patient
• Demonstrate the appropriate radiographic techniques as requested for patient care and know the indications for each
• Apply interpretation skills to describe a pathological lesion and propose radiographic differential diagnoses
• Write a radiology report for a lesion found on a radiographic image</td></tr>
<tr><td colspan="2">Assessment methods</td><td colspan="5">Formative assessment, radiology reports
Summative assessment
Clinical competency evaluation</td></tr>
<tr><td rowspan="4">Mark Structure:</td><td colspan="2">Minimum Form Assessment Mark for exam admission (%)</td><td colspan="5">40</td></tr>
<tr><td></td><td>% Formative Assessment Mark</td><td colspan="5">60</td></tr>
<tr><td></td><td>% Summative Assessment Mark</td><td colspan="5">40</td></tr>
<tr><td colspan="2">Minimum final mark to pass (%)</td><td colspan="5">50</td></tr>
<tr><td colspan="2" rowspan="2">Summative Assessment Paper:</td><td></td><td>Paper 1</td><td>Paper 2</td><td>Paper 3</td><td>Paper 4</td></tr>
<tr><td>Theory/practical</td><td>Clinically based Theory</td><td></td><td></td><td></td></tr>
</table>

	Duration	3Hrs			
	% contribution to Summative Assessment Mark	100			
	Sub minimum %	40			

MODULAR INFORMATION							
Department:	MAXILLOFACIAL ORAL RADIOLOGY				**School:**	DENTISTRY	
Last Revision date:	2021			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:		BOH02					

Module Code: (4 alphabetic & 3 numeric)	MMXD030
Module Name:	RADIOGRAPHY III
Content:	UNIT**: PRINCIPLES OF RADIOGRAPHIC INTERPRETATION** Principles of radiographic interpretation Dental carries Periodontal disease Developmental abnormalities Trauma of the teeth and jaws Radiographic Interpretation of pulpal and periapical disease Root resorption inflammatory lesions of the jaws. Fibro osseous lesions Radiographic interpretation of odontogenic and non-odontogenic cysts and neoplasms Radiographic interpretation of TMJ Radiographic interpretation of pathology of the paranasal sinuses Radiographic interpretation of soft tissue calcifications
Learning Outcomes:	At the end of this module the student will be able to: • perform skull radiography within the scope of practice • discuss and apply the principles of radiographic interpretation to interpret pathology evident on intra-oral and extra-oral dental radiographs • Write a radiology report on a pathological lesion seen in a radiographic image

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	16	3	090399

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week:	**Classes**	**Practical**	**Tutorial**	**Seminars**	**Independent Learning**
	2x40 min	2hrs (1 hour patient care 1 hour seminar)	None	1 hour from allocated clinical time	None

Pre-requisite modules for this module:			MRAB020			
Co-requisites modules for module:			All third year modules			
Assessment criteria			• Apply radiation safety and protection measures and infection control in the management of a patient during radiographic imaging. • Demonstrate empathy and professionalism during radiographic imaging of a patient • Demonstrate the appropriate radiographic techniques as requested for patient care and know the indications for each • Apply interpretation skills to describe a pathological lesion and propose radiographic differential diagnoses • Write a radiology report for a lesion found on a radiographic image			
Assessment methods			Formative assessment, radiology reports Summative assessment Clinical competency evaluation			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40			
		% Formative Assessment Mark	60			
		% Summative Assessment Mark	40			
	Minimum final mark to pass (%)		50			
Summative Assessment Paper:			**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical		Clinical application of theory			
	Duration		3Hrs			
	% contribution to Summative Assessment Mark		100			
	Sub minimum %		40			

MODULAR INFORMATION							
Department:	Community Dentistry			**School:**	DENTISTRY		
Last Revision date:	2019			**First Year Offered (New):**	2021		
Replace this Module existing module(s)?		**NO**		**If YES, give the module codes:**			
Module linked to Qualification/s:	BDT02	BOH02					
Module Code: (4 alphabetic & 3 numeric)	MREA020						
Module Name:	RESEARCH METHODOLOGY I						
Content:	Content: Oral Health Research, Science, the Scientific Method; Literature Search; Types of Research and approaches to it; Control of Confounding Effects; Research Design; Sampling; Data Collection and Measurement; Analysis of Research Findings; Interpretation of Data; Presentation of Findings; Critical Analysis of the Literature; Application of Research to profession and Practice. A small research project will be conducted and presented in a scientific format.						
Learning Outcomes:							
Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**		**ITS Course Level**		**CESM Code (3rd Order) (Six Numbers)**		

	4		02		
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		**Full-time**		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1	None	None	None	
Pre-requisite modules for this module:	English				
Co-requisites modules for module:					
Assessment criteria	This course will include the following broad topics; Research Methodology, Study Designs and Protocol Development. The course content will include Oral Health Research, the Scientific Method; Literature Review; referencing; plagiarism; Types of Research and approaches to it; Types of Study Designs; Sampling. Students will develop a research proposal and will be expected to present their final protocols in a scientific format to the School staff and students. Students will be divided among the Comm Dent department staff members where very three students or more will be supervised by a staff member. No single student will work alone in order to foster team work. In this year, students will be exposed to a more detailed research via lectures that explain research problems, research questions and the aim and the objectives of the study. The student will become familiar with the components of the 'Background and Introduction' section of the research by learning how to write it, how to conduct a literature review, how to select a topic and how to write the objectives appropriately. Students will have detailed lectures about study designs and they will select the proper study design for their study. They will be expected to finish writing the 'Materials and Methods' section for their study prior to ethical application and presenting.				
Assessment method	Tests, assignments, research reports, , 3hr examination				
Mark Structure: Minimum Form Assessment Mark for exam admission (%)	40%				
% Formative Assessment Mark	60%				
% Summative Assessment Mark	40%				
Minimum final mark to pass (%)	50%				

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory/practical	Theory			
	Duration	3 hrs			
	% contribution to Summative Assessment Mark	100			
	Sub minimum	50%			

MODULAR INFORMATION			
Department:	Community Dentistry	**School:**	School of Dentistry
Last Revision date:	2025	**First Year Offered (New):**	2022
Replace this Module existing module(s)?	No	**If YES, give the module codes:**	

Module linked to Qualification/s:	BDT02	BOH02				

Module Code (4 alphabetic & 3 numeric)	MREA030
Module Name	RESEARCH METHODOLOGY
NQF Level of this module	7
Purpose of the module	The student must understand the research process (introduction and study) background, problem statement, literature review, study aim, study objectives, study hypothesis, research question, study significance, rationale/purpose, write a reasonable research report and be able to present the research report to an identified audience.
Content (list topics):	The content of the module will cover different aspects of oral health research and science • Literature Search including: o Scientific methods, o different data bases o critical analysis of literature • Research Methodology including o Design (types or research and approaches), o Sampling methods, o data collection and measurement o Data interpretation and analysis o Presentation of research findings o Pilot study (if necessary)
Exit Level Outcomes addressed by this module	Obtain knowledge and skills to conduct basic research in oral health.

Teaching and Learning Activities (contact lecture; remote lecture; practical demonstration; synchronous/semi-synchronous/asynchronous e-learning activities; online discussion forum; group work; self study; etc.

Indicate the proportion of each in a table format by using percentages

Time Estimation	***Face-to-face contact sessions***	***Non-LMS Independent Learning, inc. Assignments***	***Writing a proposal / SMUREC***	***Assessment***	***Practicals & Other Activities (Specify)***
Learning Time Percentage Split	30%	50%	15%	5%	
*Total Notional Hours estimations (over **36** weeks)*	**14.4**	**108**	**36**	**6 hrs**	
*Notional Hours **per Week** Estimations*	40 mins	3 hrs	1 hr		
16 Credits = 160 notional hours					

Work integrated Learning/ clinical practice	N.A.
Total credits for WIL	
Level at which WIL commences and tabulate the programme/ blocks	
Prescribed/recommended texts	Prescribed text: 1. Aldous, C., Rheeder, P. and Esterhuizen, T., 2012. *Writing your first clinical research protocol*. Juta Limited. 2. Maree, K. and Van der Westhuizen, C.N., 2009. *Head start in designing research proposals in the social sciences*. Juta and Company Ltd. Recommended books: 1. Adu, E.O. and Okeke, C.I. eds., 2022. *Fundamentals of Research in Humanities, Social Sciences and Science Education: A Practical Step-by-step Approach to a*

	Successful Research Journey. Van Schaik Publishers. 2. Maree, K., 2019. *First steps in research*. Van Schaik Publishers.

Learning outcomes	**Assessment Criteria**
• Lo 1: Demonstrate knowledge of the scientific research process and how it applies to oral health investigations	Explain and describe understanding of the scientific research process
• Lo 2: Propose scientifically sound research approaches to address oral health research questions	Discuss the approaches to address oral health research. Collect, interpret and analyze data to answer a research questions.
• Lo 3: Understand the importance of and maintain ethical and legal behaviour throughout the research process	Be able to conduct research following ethical and legal processes.
• Lo 4: Share research findings through oral and poster presentations, report writing and articles.	Disseminate the research knowledge through presentations. Demonstrate the ability to write by developing a research proposal. Submit research proposal for ethical clearance.

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	16	3	090301
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	Full time	**Year**

Periods per week:	**Classes Contact & Remote/online**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning (including e-learning)**
	1	Writing a proposal			

Pre-requisite modules for this module:	MREA020
Co-requisites modules for module:	All Final Year Modules
Assessment strategy	**Assessment Methods**: Formative assessment methods (60%): • Assignments • Practical exercises and demonstrations • Formal presentations • Group work Summative assessment (40%): • Development of concept paper (10%) • Proposal (60%) • Presentation (30%)
Internal Moderation	Review of proposal by the Departmental research supervisors
External Moderation	Proposal review by SMU Ethics Committee

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		Not applicable
	Final Mark	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment		**Develop of concept paper**	**Proposal**	**Presentation**	**Paper 4**

Paper:	Theory/practical	NA.	N.A.	N.A.	N.A.
	Duration	N.A.	N.A.	N.A.	N.A.
	% contribution to Summative Assessment Mark	10%	60%	30%	
	Sub minimum	N.A.	N.A.	N.A.	N.A.

MODULAR INFORMATION							
Department: COMMUNITY DENTISTRY				**School:** DENTISTRY			
Last Revision date: 2019				**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO				**If YES, give the module codes:**			
Module linked to Qualification/s:	BDS01						

Module Code: (4 alphabetic & 3 numeric)	MSVA050				
Module Name:	SERVICE LEARNING				
Content:	1. Service Learning theory: practice and benefits 2. Community engagement: 3. Clinical practice				
Learning Outcomes	At the end of this module the student will: be able to conduct situation analysis of target community; Deliver customer oriented clinical services; Develop socially acceptable skills and values through persistent reflection, lifelong learning, tolerance, compromise and sensitivity; Enhance and develop a sense of civic responsibility and altruism				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	16		4		090305
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Reflection reports**	**Outreach/ Phelophepa**	**Tutorial**	**Seminars**	**Independent Learning**
	1 x 5/week	1 x 2 weeks/ year		4 of 2hrs	Y
Pre-requisite modules for this module:					
Co-requisites modules for module:	CCLC501, PBLC501, ELEC501				
Assessment Criteria	A student is able to: carry out a situational analysis of target communities; Deliver customer oriented clinical services; Develop socially acceptable skills and values through persistent reflection lifelong learning, tolerance, compromise and sensitivity; Enhance and develop a sense of civic responsibility and altruism. Student will write 1 formative test, Six reflective reports (1x Look, Listen and Learn); four Salvokop/Winterveldt/Schools/old age homse reports and one Phelophepa assignment				
Assessment Methods	Reflection, assignments, test, question in final paper				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40
	Final mark =	% Formative Assessment Mark	60
		% Summative Assessment Mark	40

	Minimum final mark to pass (%)			50	
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	100			
	Sub minimum	40%			

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BOH					

Module Code: (4 alphabetic & 3 numeric)	MSPA020
Module Name:	SPECIALIZED CLINICAL DENTISTRY
Content:	The module consists of 4 units: **Unit A: Orthodontics**: Introduction of Oral Hygienists to Orthodontics) Theory: Study models; occlusion; cephalometric tracing; preventive orthodontics; instrumentation; molar bands; interceptive orthodontics, orthodontic appliances; orthodontic wires; orthodontic ligatures and elastics. Preclinical: placement and removal of arch wires, molar bands, elastomeric ligatures and wire ligatures on a typodont. Debonding on a typodont. Cephelometric tracing. Casting of study models on moulds, trimming and submission of a studymodels. **Unit B: Operative**: Placement of temporary restorations; treatment of exposed dentine or cervical abrasion lesions; Matrix band and holders. Paediatric dentistry. Management of the paediatric dentistry patient, ART technique. **Unit C: Maxillofacial & Oral Surgery**: Local anaesthesia - introduction to local anaesthesia; topical anaesthesia; technique of dental injection; local anaesthesia and medical conditions; medical emergencies in the dental practice. The oral and maxillofacial patient - patient preparation, oral hygiene care of the maxillofacial and oral surgery patient, the patient with inter-maxillary fixation. **Unit D: Prosthodontics**: Oral Hygiene care of the prosthodontic patient, temporary cementing of inlays, crowns and bridges, placement of soft linings in dentures as tissue conditions.
Learning Outcomes	At the end of the module, the student will be able to: Know the oral hygiene management of patients in the different specialities in dentistry. Discuss the role of the oral hygienist in preventive and interceptive orthodontics Know how to place temporary restorations and the treatment of exposed dentine Know how to apply local anaesthesia Know how to cement inlays, crowns and bridges.

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	20	03	090402
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	FT	Y

Periods per week: 36 weeks	**Classes**	**Pre-Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**

	1x40min	2x2hrs	1	None	None
Pre-requisite modules for this module:					
Co-requisites modules for module:	APPH201				
Assessment Criteria	• Describe how to place of temporary restorations • Discuss the treatment of exposed dentine or cervical abrasion lesions • Discuss removable and fixed appliances • Know how to perform cephalometric tracings • Describe the placement of pre-activated orthodontic appliances • Know how to remove orthodontic attachments and bands • Discuss the role of OH in Orthodontic treatment • Discuss the pharmacology of local anaesthetics • Know the nerve block technique • Know how to cement crowns and bridges • Know how to place soft linings in dentures				
Assessment Methods	Tests, assignments, OSCE's, practical work, achievement of certain minimum clinical requirements, 3hr examination				

Mark Structure:	Minimum Form Assessment Mark for promotion (%)		60%
	Final mark =	% Formative Assessment Mark	100%
		% Summative Assessment Mark	0
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	NA	NA		
	Duration	NA	NA		
	% of Exam Mark	NA	NA		
	Sub minimum	NA	NA		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY				**School:** DENTISTRY		
Last Revision date: 2021			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	BOH					
Module Code: (4 alphabetic & 3 numeric)	MSPB030					
Module Name:	SPECIALIZED CLINICAL DENTISTRY: CLINICAL PRACTICE					
Content:	**Unit A: Orthodontics**: (Applied orthodontics for Oral Hygienists) Clinical practice and application of theory: Placement and removal of arch wires, molar bands and ligatures, impression taking, give oral hygiene instructions. Debonding, removal of residual bonding material. Cephelometric tracing. **Unit B: Operative**: Management of carious lesions within the scope of oral hygiene, Atraumatic Restorative Treatment (ART) **Unit C: Maxillofacial & Oral Surgery**: Clinical practice in Local Anaesthesia **Unit D: Prosthodontics**: Clinical practice in cementing of inlays, crowns and bridges, placement of soft liners in dentures.					
Learning Outcomes	At the end of the module, the student will be able to:					

	Discuss the oral hygiene management of patients in the specialities in dentistry.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	28		3		090402
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		FT		Y
Periods per week: 36	**Classes**	**Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2x40 min	2x2 hr	1x40 min	1	None
Pre-requisite modules for this module:					
Co-requisites modules for module:	None				
Assessment Criteria	• Describe how to place temporary restorations • Discuss the treatment of exposed dentine or cervical abrasion lesions • Discuss removable and fixed appliances • Know how to perform cephalometric tracings • Describe the placement of pre-activated orthodontic appliances • Know how to remove of orthodontic attachments and bands • Discuss the role of OH in Orthodontic treatment • Discuss the pharmacology of local anaesthetics • Know the nerve block technique • Know how to cement crowns and bridges • Know how to place soft linings in dentures				
Assessment Methods	Tests, assignments, osce's, practical work, case studies, achievement of certain minimum clinical requirements, 3hr examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	OSCE		
	Duration	3 hours	2 hours		
	% of Exam Mark	50%	50%		
	Sub minimum	40%	40%		

N. MODULAR INFORMATION: POST-GRADUATE MODULES

POSTGRADUATE DIPLOMA IN DENTISTRY (PDN01)

All Postgraduate Diploma in Dentistry fields

MODULAR INFORMATION						
Department:	ORAL AND MAXILLOFACIAL PATHOLOGY			**School:**	DENTISTRY	
Last Revision date:	2020			**First Year Offered (New):**	2021	
Replace this Module existing module(s)?	No			**If YES, give the module codes:**		
Module linked to Qualification/s:	PDN01					
Migration Strategy:	No	(If YES, IP05 must also be completed)				

Module Code: (4 alphabetic & 3 numeric)	**No code yet**				
Module Name:	Applied Ethics and Medical Law for Postgraduate Diploma in Dentistry				
Content:	This module provides in-depth knowledge pertaining to the ethical and legal aspects of oral healthcare. The topics covered in this module include: • Overview of ethical concepts, theories and principles and codes of healthcare ethics • Overview of health law and human rights • Medical malpractice and professional negligence • Professionalism in healthcare • Informed consent • Confidentiality • Ethics in research and the use of human tissue • Evaluation of case-based scenarios of ethical issues which arise in dental practice				
Learning Outcomes:	At the end of the module students will be able to: • Identify, analyse and evaluate ethical and legal issues that arise in oral healthcare provision and research within a sound ethical framework • Apply ethical and legal knowledge to particular problems that may arise in oral healthcare provision and research				
Module Information:	**SAQA Credits**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**		
	8	6	091901		
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		Full Time		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
				1	Y
Pre-requisite modules for this module:	None				
Co-requisites modules for module:	None				

Assessment Criteria:			The following assessment criteria is assessed in an integrated manner: • Identify, analyse and evaluate ethical and legal issues that arise in oral healthcare provision and research within a sound ethical framework • Apply ethical and legal knowledge to particular problems that may arise in healthcare provision and research • Demonstrate an awareness of the moral, legal and ethical responsibilities involved in the provision of individual and community based patient care.
Assessment methods			This module is assessed formatively through discipline specific and multidisciplinary. Integrated assessments are performed on a continuous basis and are incorporated and integrated in the main module through seminars, assignments, case discussions, treatment planning, case management, interdisciplinary discussions and various modalities reinforcing ethical understanding and practice. The summative assessment in this module is by means of a portfolio of evidence of learning.
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	Formative	Formative Assessment – (assignments; seminars, presentations (PBLs); multidisciplinary case discussions)
		Summative	Summative assessment- (portfolio of evidence of learning)
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	N/A	N/A	N/A	N/A
	Duration				
	% contribution to Summative Assessment Mark				
	Sub minimum				

Field: Endodontics

MODULAR INFORMATION						
Department: **Oral & Maxillofacial Pathology**				**School:** **DENTISTRY**		
Last Revision date: **2020**			**First Year Offered (New):** **2018**			
Replace this Module existing module(s)? Yes / **No**			**If YES, give the module codes:**			
Module linked to Qualification/s:	**PDN01**					
Module Code: (4 alphabetic & 3 numeric)	**MDGA180**					
Module Name:	**Biology in Dental Pulp and Periodontium (to be changed to Oral Biology)**					
Module Content:	By the end of this module the student will know and understand: **Embryological development of the oro-facial complex** ▪ development of the pharyngeal arches, grooves and pouches and derivatives of the embryonic germ layers and neural crest cells in the oro-facial complex. ▪ origin of the neural crest cells and their role in the embryological development of the oro-facial complex ▪ composition, innervation, and fate of the pharyngeal arches, grooves and pouches. ▪ development and fusion of the embryonic facial processes and name the facial processes involved the various type of clefts.					

	▪ development of the mandible including the role of Meckel's cartilage in it formation of the mandible. ▪ types of ossification of the mandible. ▪ development of the maxilla and infra-orbital canal and name the types of ossification of the maxilla. ▪ development of the palate, including the processes from which the primary and secondary palate develop and the processes responsible for formation of cleft palate ▪ development of the tongue and thyroid gland **Odontogenesis and structure and functions of dental tissues:** ▪ germ layers from which each part of the tooth germ originates. ▪ epithelial-ectomesenchymal interactions that are responsible for the different stages of odontogenesis ▪ development of accessory root canals and the clinical implication thereof. ▪ role of neural crest cells in odontogenesis and the role of epithelium-ectomesenchymal interaction in each stage of odontogenesis. ▪ amelogenesis with specific reference to the role of the ameloblast in each stage and the role of protein in amelogenesis ▪ chemical composition and microscopic structure of enamel. ▪ dentinogenesis and structural component of dentin and the microstructure of dentin ▪ formation and function of the various types of dentin (primary, secondary and tertiary dentin). ▪ types of dentinal structures namely, peritubular dentin, intertubular dentin, intra-tubular dentin, sclerotic dentin. ▪ dentin-pulp complex and the function of the dentin pulp complex. ▪ development of the pulp. ▪ organisation of the tissue in the pulp of the tooth and the function of the odontoblasts in the developing pulp ▪ functions of a vital dental pulp ▪ role of the odontoblasts in repair and regeneration, bioactive properties of dentin and pulp ▪ key growth factors present in dentin matrix and regenerative functions of these growth factors ▪ role of stem cells and progenitor cells in the dental pulp and the interactions between stem cells, morphogenetic signalling molecules and the scaffold or a matrix in tissue engineering in endodontics ▪ age changes and their influence on the anatomy and function of the pulp. ▪ reaction of the pulp to inflammatory changes. ▪ influence of the anatomy of the pulp on endodontic treatment with reference to accessory canals, multiple roots, secondary and tertiary dentin deposition. ▪ development and anatomy of nerve supply to the dentin-pulp complex. ▪ theories of tooth sensitivity ▪ development, structure and function of periodontium ▪ development, structure and function of gingiva and epithelial attachment ▪ structural component of cementum and the microstructure of cementum ▪ development and structure of alveolar bone ▪ bioactive properties of the dentin-pulp complex in regenerative endodontics ▪ molecular events associated with the mechanism of action of calcium hydroxide in maintaining a vital dentin-pulp complex. ▪ age changes in the various structures **Applied molecular biology of alveolar bone remodelling*:*** ▪ origin, structure and function of osteoclasts, osteoblasts and osteocytes ▪ molecular signalling factors regulating bone formation and the molecular signalling factors regulating bone resorption ▪ systemic factors regulating bone metabolism and the inflammatory cytokines as effectors of bone metabolism ▪ effect of oestrogen and oestrogen deficiency on bone. **Physiological tooth movement:** ▪ definition and phases of tooth eruption ▪ theories of tooth eruption.

<table>
<tr><td></td><td colspan="5">Ultrastructure of the oral mucosa, gingiva and epithelial attachment:
▪ histological arrangement and relationship of the epithelium, lamina propria, submucosa, periosteum, and bone and classification of the oral mucosa with reference to specific variations.
▪ permeability of the oral mucosa and its role in the route of administration for systemic drug delivery
▪ maintenance of the oral mucosal structural integrity by the process of cell renewal of the oral mucosa including mechanism controlling cell proliferation and maturation
▪ non-keratinocytes in the oral epithelium, mucosa associated immune system, origin, distribution and function of Langerhans cells in the oral mucosa
▪ gingiva and epithelial attachment including free and attached gingiva, junctional epithelium, interdental papillae and col.
Salivary glands:
▪ development, microanatomy, ultrastructure of the various salivary glands.
▪ formation, composition, modification and functions of saliva.
▪ structure and function of myoepithelial cells in salivary glands
Temporomandibular Joint (TMJ)
▪ anatomy, structure, classification and function of the TMJ
▪ remodelling of the TMJ and structure and function of all the components of the TMJ</td></tr>
<tr><td>Learning Outcomes:</td><td colspan="5"></td></tr>
<tr><td rowspan="2">Module Information:</td><td colspan="2">SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td>CESM Code (3rd Order)</td></tr>
<tr><td colspan="2">32</td><td colspan="2">6</td><td>090301</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">Part time</td><td>S1</td></tr>
<tr><td rowspan="2">Periods per Week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td></td><td></td><td></td><td>8/year</td><td>y</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5">0</td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5">MDGB180; MDGC180; MDGD180</td></tr>
<tr><td>Assessment Criteria:</td><td colspan="5">Ability to correctly describe and explain the:
1. embryological development of the oro-facial complex
2. odontogenesis and structure and functions of dental tissues
3. applied molecular biology of alveolar bone remodelling
4. physiological tooth movement
5. ultrastructure of the oral mucosa, gingiva and epithelial attachment
6. development, microanatomy, ultrastructure of the various salivary glands and functions of saliva
structure, classification and function of the TMJ</td></tr>
<tr><td>Assessment Methods:</td><td colspan="5">Written assignment/test on chosen topic (formative assessment).
Written examination (summative assessment)</td></tr>
<tr><td rowspan="4">Assessment Weighting:</td><td colspan="3">Min Formative Assessment mark for exam admission (%)</td><td colspan="2">40%</td></tr>
<tr><td rowspan="2">Final mark =</td><td colspan="2">% Formative Assess Mark</td><td colspan="2">40%</td></tr>
<tr><td colspan="2">% Summative Assess Mark</td><td colspan="2">60%</td></tr>
<tr><td colspan="3">Min Final Assessment mark to pass (%)</td><td colspan="2">50%</td></tr>
<tr><td rowspan="2">Summative Assessment Paper:</td><td></td><td>Paper 1</td><td>Paper 2</td><td>Paper 3</td><td>Paper 4</td></tr>
<tr><td>Theory / Practical</td><td>Written exam</td><td></td><td></td><td></td></tr>
</table>

	Duration	3 hours			
	Weighting	100%			
	Sub minimum	40%			

MODULAR INFORMATION							
Department: Oral & Maxillofacial Pathology				**School** DENTISTRY			
Last Revision date: 2020				**First Year Offered (New):** 2018			
Replace this Module existing module(s)? Yes / **No**				**If YES, give the module codes:**			
Module linked to Qualification/s:	**PDN01**						

Module Code: (4 alphabetic & 3 numeric)	**MDGB180**				
Module Name:	**Pulp Pathology (to be changed to Oral Pathology)**				
Module Content:	Diseases of the Dental Pulp				
Learning Outcomes:	By the end of this module the student will know and understand 1. Fundamentals of inflammation (cellular, humoral, tissue changes), 2. prevention of pulp disease, 3. causes of pulp disease, e.g. hyperemia of the pulp and inflammation of the pulp				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	32		6		090301
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		Full time		S2
Periods per Week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			3		Y
Pre-requisite modules for this module:	0				
Co-requisites modules for module:	MDGA180; MDGC180; MDGD180				
Assessment Criteria:	The ability to correctly interpret the signs and symptoms of pulp, dental and periapical pathology in order to determine the correct diagnosis and management.				
Assessment Methods:	Written test (Formative assessment) Written examination (Summative assessment)				
Assessment Weighting:	Min Formative Assessment mark for exam admission (%)				40%
	Final mark =	% Formative Assess Mark			60%
		% Summative Assess Mark			40%
	Min Final Assessment mark to pass (%)				50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Written exam			
	Duration	3 hour			

	Weighting	100%			
	Sub minimum	40%			

MODULAR INFORMATION							
Department: Operative Dentistry						**School DENTISTRY**	
Last Revision date: 2017				**First Year Offered (New): 2015**			
Replace this Module existing module(s)? Yes / **No**				**If YES, give the module codes:**			
Module linked to Qualification/s:	**PDN01**						
Module Code: (4 alphabetic & 3 numeric)	MDGC180						
Module Name:	Root Canal Therapy						
Module Content:	This is the clinical component where students must develop the necessary psychomotor skills to be able to use hand and rotary instrumentation in endodontic treatment, magnification and all other related treatment options to perform modern endodontic treatments with a predictable outcome.						
Learning Outcomes:	By the end of this module the student will be able to: The select teeth suitable for endodontic treatment; Identify contra-indications to endodontic treatment; know and understand the pharmacology related to endodontic materials used in endodontic treatment; perform all clinical procedures related to root canal therapy (including the prevention of pulp pathology and options to reverse early onset pathology); handle complications during root canal preparation, obturation of the root canal, and management of problem endodontic cases						
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**		
	32		6		090301		
Delivery Information	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**		
	SMU		Full or Part time		Y		
Periods per Week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**		
		4	4		Y (24)		
Pre-requisite modules for this module:	0						
Co-requisites modules for module:	MDGA180; MDGB180; MDGD180						
Assessment Criteria:	Successful treatment of 5 Endodontic cases (clinical portfolio with a miniumum of 3 molars) as well as an assessment of endodontic related exercises during contact sessions (including access preparation and root canal treatment on extracted teeth)						
Assessment Methods:	1 Seminar 50% towards year mark, portfolio of 5 treated root canals and endodontic exercises on extracted teeth 50% towards year mark						
Assessment Weighting:	Minimum Formative Assessment Mark for exam admission						
	Final mark =	Clinical Mark (clinical portfolio and pre-clinical exercise)			50%		
		1 Seminar			50%		
	Min Final Assessment mark to pass (%)				50%		
Summative	**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**			

Assessment	Theory				
	Practical				
	Sub minimum				

MODULAR INFORMATION							
Department: Operative Dentistry						**School DENTISTRY**	
Last Revision date: 2017			**First Year Offered (New): 2015**				
Replace this Module existing module(s)? Yes / **No**			**If YES, give the module codes:**				
Module linked to Qualification/s:	**PDN01**						

Module Code: (4 alphabetic & 3 numeric)	MDGD180				
Module Name:	Endodontic Emergencies				
Module Content:	The management of endodontic emergencies e.g. acute irreversible pulpitis, Necrotic pulp with peri-apical periodontitis and traumatized teeth (fractured and luxated)				
Learning Outcomes:	By the end of this module the student will know how to diagnose the pulp correctly, treat endodontic emergencies most likely relates to an irreversibly damaged pulp or a Class IV necrotic pulp, fractured and traumatized permanent and primary teeth and even luxated teeth. The student will know how to perform emergency endodontic procedures and medicaments needed mainly to relieve a patient's pain.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	24		6		090301
Delivery Information:	**Campus**		**Full Time**		**Period (1st/2ndSem)**
	SMU		Full or Part time		Y
Periods per Week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
		4	4		Y (16)
Pre-requisite modules for this module:	0				
Co-requisites modules for module:	MDGA180; MDGB180; MDGC180				
Assessment Criteria:	Portfolio of 5 emergency endodontic treatments successfully treated (radiographic proof of healing) Formative assessment mark: - 50% 1 seminar - Clinical mark 50% (portfolio of 5 emergency endodontic treatments) - Module 4: 50% towards final formative/clinical assessment mark. - Final mark (combined Modules 3+4) - 60% Formative and clinical assessment mark - 40% Summative assessment mark				
Assessment Methods:	1 Seminar, portfolio of 5 emergency endodontic treatments, and a written examination				
Assessment Weighting:	Min Formative Assessment mark for exam admission (%)				40%
	Final mark =	% Formative Assess Mark			60%

			% Summative Assess Mark		40%
		Min Final Assessment mark to pass (%)			50%
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Written exam (Modules 3 and 4)			
	Duration	3 hour			
	Sub minimum	40%			

Field: Paedodontics

MODULAR INFORMATION						
Department: Oral & Maxillofacial Pathology				**School:** DENTISTRY		
Last Revision date: 2020			**First Year Offered (New):** 2018			
Replace this Module existing module(s)? Yes / **No**			**If YES, give the module codes:**			
Module linked to Qualification/s:	**PDN01**					
Module Code: (4 alphabetic & 3 numeric)	**MDGA180**					
Module Name:	**Biology in Dental Pulp and Periodontium (to be changed to Oral Biology)**					
Module Content:	By the end of this module the student will know and understand: **Embryological development of the oro-facial complex** ▪ development of the pharyngeal arches, grooves and pouches and derivatives of the embryonic germ layers and neural crest cells in the oro-facial complex. ▪ origin of the neural crest cells and their role in the embryological development of the oro-facial complex ▪ composition, innervation, and fate of the pharyngeal arches, grooves and pouches. ▪ development and fusion of the embryonic facial processes and name the facial processes involved the various type of clefts. ▪ development of the mandible including the role of Meckel's cartilage in it formation of the mandible. ▪ types of ossification of the mandible. ▪ development of the maxilla and infra-orbital canal and name the types of ossification of the maxilla. ▪ development of the palate, including the processes from which the primary and secondary palate develop and the processes responsible for formation of cleft palate ▪ development of the tongue and thyroid gland **Odontogenesis and structure and functions of dental tissues:** ▪ germ layers from which each part of the tooth germ originates. ▪ epithelial-ectomesenchymal interactions that are responsible for the different stages of odontogenesis ▪ development of accessory root canals and the clinical implication thereof. ▪ role of neural crest cells in odontogenesis and the role of epithelium-ectomesenchymal interaction in each stage of odontogenesis. ▪ amelogenesis with specific reference to the role of the ameloblast in each stage and the role of protein in amelogenesis ▪ chemical composition and microscopic structure of enamel. ▪ dentinogenesis and structural component of dentin and the microstructure of dentin					

	▪ formation and function of the various types of dentin (primary, secondary and tertiary dentin). ▪ types of dentinal structures namely, peritubular dentin, intertubular dentin, intra-tubular dentin, sclerotic dentin. ▪ dentin-pulp complex and the function of the dentin pulp complex. ▪ development of the pulp. ▪ organisation of the tissue in the pulp of the tooth and the function of the odontoblasts in the developing pulp ▪ functions of a vital dental pulp ▪ role of the odontoblasts in repair and regeneration, bioactive properties of dentin and pulp ▪ key growth factors present in dentin matrix and regenerative functions of these growth factors ▪ role of stem cells and progenitor cells in the dental pulp and the interactions between stem cells, morphogenetic signalling molecules and the scaffold or a matrix in tissue engineering in endodontics ▪ age changes and their influence on the anatomy and function of the pulp. ▪ reaction of the pulp to inflammatory changes. ▪ influence of the anatomy of the pulp on endodontic treatment with reference to accessory canals, multiple roots, secondary and tertiary dentin deposition. ▪ development and anatomy of nerve supply to the dentin-pulp complex. ▪ theories of tooth sensitivity ▪ development, structure and function of periodontium ▪ development, structure and function of gingiva and epithelial attachment ▪ structural component of cementum and the microstructure of cementum ▪ development and structure of alveolar bone ▪ bioactive properties of the dentin-pulp complex in regenerative endodontics ▪ molecular events associated with the mechanism of action of calcium hydroxide in maintaining a vital dentin-pulp complex. ▪ age changes in the various structures **Applied molecular biology of alveolar bone remodelling:** ▪ origin, structure and function of osteoclasts, osteoblasts and osteocytes ▪ molecular signalling factors regulating bone formation and the molecular signalling factors regulating bone resorption ▪ systemic factors regulating bone metabolism and the inflammatory cytokines as effectors of bone metabolism ▪ effect of oestrogen and oestrogen deficiency on bone. **Physiological tooth movement:** ▪ definition and phases of tooth eruption ▪ theories of tooth eruption. **Ultrastructure of the oral mucosa, gingiva and epithelial attachment:** ▪ histological arrangement and relationship of the epithelium, lamina propria, submucosa, periosteum, and bone and classification of the oral mucosa with reference to specific variations. ▪ permeability of the oral mucosa and its role in the route of administration for systemic drug delivery ▪ maintenance of the oral mucosal structural integrity by the process of cell renewal of the oral mucosa including mechanism controlling cell proliferation and maturation ▪ non-keratinocytes in the oral epithelium, mucosa associated immune system, origin, distribution and function of Langerhans cells in the oral mucosa ▪ gingiva and epithelial attachment including free and attached gingiva, junctional epithelium, interdental papillae and col. **Salivary glands**: ▪ development, microanatomy, ultrastructure of the various salivary glands. ▪ formation, composition, modification and functions of saliva. ▪ structure and function of myoepithelial cells in salivary glands **Temporomandibular Joint (TMJ)** ▪ anatomy, structure, classification and function of the TMJ

	▪ remodelling of the TMJ and structure and function of all the components of the TMJ					
Learning Outcomes:						
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	32		6		090301	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		Part time		S1	
Periods per Week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
				8/year	y	
Pre-requisite modules for this module:	0					
Co-requisites modules for module:	MDGB180; MDGC180; MDGD180					
Assessment Criteria:	Ability to correctly describe and explain the: 1. embryological development of the oro-facial complex 2. odontogenesis and structure and functions of dental tissues 3. applied molecular biology of alveolar bone remodelling 4. physiological tooth movement 5. ultrastructure of the oral mucosa, gingiva and epithelial attachment 6. development, microanatomy, ultrastructure of the various salivary glands and functions of saliva structure, classification and function of the TMJ					
Assessment Methods:	Written assignment/test on chosen topic (formative assessment). Written examination (summative assessment)					
Assessment Weighting:	Min Formative Assessment mark for exam admission (%)				40%	
	Final mark =	% Formative Assess Mark			40%	
		% Summative Assess Mark			60%	
	Min Final Assessment mark to pass (%)				50%	
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**	
	Theory / Practical	Written exam				
	Duration	3 hours				
	Weighting	100%				
	Sub minimum	40%				

MODULAR INFORMATION						
Department: **Oral & Maxillofacial Pathology**			**School** **DENTISTRY**			
Last Revision date: **2020**			**First Year Offered (New):** **2018**			
Replace this Module existing module(s)? Yes / **No**			**If YES, give the module codes:**			
Module linked to Qualification/s:	**PDN01**					
Module Code: (4 alphabetic & 3 numeric)	**MDGB180**					

Module Name:	**Pulp Pathology (to be changed to Oral Pathology)**					
Module Content:	Diseases of the Dental Pulp					
Learning Outcomes:	By the end of this module the student will know and understand 1. Fundamentals of inflammation (cellular, humoral, tissue changes), 2. prevention of pulp disease, 3. causes of pulp disease, e.g. hyperemia of the pulp and inflammation of the pulp					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	32		6		090301	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		Full time		S2	
Periods per Week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
			3		Y	
Pre-requisite modules for this module:	0					
Co-requisites modules for module:	MDGA180; MDGC180; MDGD180					
Assessment Criteria:	The ability to correctly interpret the signs and symptoms of pulp, dental and periapical pathology in order to determine the correct diagnosis and management.					
Assessment Methods:	Written test (Formative assessment) Written examination (Summative assessment)					
Assessment Weighting:	Min Formative Assessment mark for exam admission (%)				40%	
	Final mark =	% Formative Assess Mark			60%	
		% Summative Assess Mark			40%	
	Min Final Assessment mark to pass (%)				50%	
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**	
	Theory / Practical	Written exam				
	Duration	3 hour				
	Weighting	100%				
	Sub minimum	40%				

MODULAR INFORMATION						
Department: Operative Dentistry					**School DENTISTRY**	
Last Revision date: 2017			**First Year Offered (New): 2015**			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	**PDN01**					
Module Code: (4 alphabetic & 3 numeric)	MRDA180					

<table>
<tr><td>Module Name:</td><td colspan="5">Direct Restorative Materials</td></tr>
<tr><td>Module Content:</td><td colspan="5">By the end of this module the students will know the best materials that can be utilised in management of carious, non-carious dental defects or traumatised dentition and new technological developments in paedodontics. Students will have a clear understanding of the apparatus used in isolation of the working field, cutting instruments and medical equipment used for inhalation sedation.

Unit 1: Materials used in Paedodontics
Unit 2: Materials used in Paediatric endodontics.
Unit 3: Local anaesthesia, inhalation sedation and general anaesthesia.
Unit 4: Space maintainers.
Unit 5: Stainless steel crowns for primary teeth
Unit 6: Restorative techniques for primary teeth</td></tr>
<tr><td>Learning Outcomes:</td><td colspan="5">A sound knowledge of different restorative materials and techniques used Paedodontics.
Unit 1: Materials used in Paedodontics
Appropriate identification, classification of dental materials used in Paedodontics
Unit 2: Materials used in Paediatric endodontics
Appropriate identification, classification of dental materials used in Paediatric endodontics
Unit 3: Local anaesthesia, inhalation sedation and general anaesthesia.
Appropriate classification of different anaesthetic materials and techniques used in Paediatric dentistry
Unit 4: Space maintainers.
Appropriate classification of space maintainers used in Paediatric dentistry
Unit 5: Stainless steel crowns (SSC) for primary teeth
Appropriate classification of different stainless-steel crowns anaesthetic materials and techniques used in Paediatric dentistry
Unit 6: Restorative techniques for primary teeth
Appropriate classification of different restorative materials and techniques used in Paediatric dentistry</td></tr>
<tr><td rowspan="2">Module Information:</td><td>SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td colspan="2">CESM Code (3rd Order)</td></tr>
<tr><td>32</td><td colspan="2">6</td><td colspan="2">090301</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td>Campus</td><td colspan="2">Full/Part Time</td><td colspan="2">Period (1st/2ndSem)</td></tr>
<tr><td>SMU</td><td colspan="2">Full or Part time</td><td colspan="2">Y</td></tr>
<tr><td rowspan="2">Periods per Week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td></td><td>25/year</td><td></td><td>8/year</td><td>Y</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5">0</td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5">MRDB180; MRDC180; MRDD180</td></tr>
<tr><td>Assessment Criteria:</td><td colspan="5">The student's clinical and theoretical knowledge will formatively be assessed by means of a portfolio of 25 treated patients and 8 seminars</td></tr>
<tr><td>Assessment Methods:</td><td colspan="5">The portfolios and seminars will count equally towards the year mark (formative assessment). Written and oral examination (summative assessment)</td></tr>
<tr><td rowspan="4">Assessment Weighting:</td><td colspan="4">Min Formative Assessment mark for exam admission (%)</td><td>40%</td></tr>
<tr><td rowspan="2">Final mark =</td><td colspan="3">% Formative Assess Mark</td><td>60%</td></tr>
<tr><td colspan="3">% Summative Assess Mark</td><td>40%</td></tr>
<tr><td colspan="4">Min Final Assessment mark to pass (%)</td><td>50%</td></tr>
<tr><td>Summative</td><td></td><td>Paper 1</td><td>Paper 2</td><td>Paper 3</td><td>Paper 4</td></tr>
</table>

Assessment Paper:	Theory / Practical	Written exam + Oral			
	Duration	3 hours + 30 mins			
	Weighting	80% + 20%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department: Operative Dentistry			**School:** DENTISTRY			
Last Revision date: 2020			**First Year Offered (New):** 2021			
Replace this Module existing module(s)? NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	PDN01					
Module Code: (4 alphabetic & 3 numeric)	MRDB180					
Module Name:	PAEDODONTICS					
Module Content:	Students will receive training on the developments and advances in paediatric dentistry. This a 1-year course that is didactic and self-directed, includes portfolio cases, rotations, seminars, discussions and lectures. Students will be able to appreciate minimal intervention strategies regarding management of carious, non-carious dental defects or traumatised dentition and new technological developments in paedodontics. Students will develop professional knowledge, understanding and competence in paediatric dentistry, in line with their scope of practise as well their personal learning requirements. **Unit 1**: Behavioural management of a child. **Unit 2**: Management of paedodontic emergencies. **Unit 3**: Management of a child with special needs. **Unit 4**: Management of a child under inhalation sedation. **Unit 5:** Management of a child under general anaesthesia. **Unit 6**: Management of children with dental anomalies and pathology. **Unit 7**: Preventive dentistry. **Unit 8**: Interceptive dentistry. **Unit 9:** Endodontic related paedodontic procedures. **Unit 10**: Rehabilitative dentistry for children.					
Learning Outcomes:	A sound knowledge and technological expertise in clinical management of paediatric patients in dentistry. **Unit 1**: Behavioural management of a child. Appropriate practise and management of a child by applying basic behavioural management techniques and motivational skills. **Unit 2**: Management of paedodontic emergencies. Appropriate practise and management of a child by applying pharmacological, nonpharmacological management techniques. **Unit 3**: Management of a child with special needs. Appropriate clinical classification and management of a child with special needs. **Unit 4**: Management of a child under inhalation sedation. Need assessment, preclinical work-out and management of a child under inhalation sedation. **Unit 5:** Management of a child under general anaesthesia. Need assessment, preclinical work-out and management of a child under general anaesthesia. **Unit 6**: Management of children with dental anomalies and pathology.					

	Appropriate identification, classification and management of a child with dental anomalies and pathology. **Unit 7**: Preventive dentistry. Appropriate preventative strategies and management of a children. **Unit 8**: Interceptive dentistry. Appropriate identification and early management of dental problems and abnormal oral habits. **Unit 9:** Endodontic related paedodontic procedures. Identification of risk factors, diagnosis and management of endodontic related procedures in children **Unit 10**: Rehabilitative dentistry for children. Identification, need assessment for surgical intervention and prosthetic rehabilitation in paediatric patients.					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	32		6		090301	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/ 2nd Sem)**	
	SMU		Part time		Y	
Periods per Week:	**Classes**	**Practical**	**Rotations**	**Seminars**	**Independent Learning**	
		4	4	4		
Pre-requisite modules for this module:	MDGA180, MDGB180					
Co-requisites modules for module:						
Assessment Criteria:	Successful treatment of 4 Paedodontic clinical cases, clinical portfolio as well as assessment of student reflections on clinical rotations.					
Assessment Methods:	**Formative assessment:** 2 seminars, 1 reflection and 2 assignments counting 50% towards year mark, 1 portfolio of the 4 successfully treated Paedodontic clinical cases, and 2 case reports counting 50% towards year mark. Final year mark: combined Modules MRDA180 and MRDB180. **Summative assessment:** Written examination only at the end of the year which will include MRDA180 and MRDB180.					
Assessment Weighting:	Min assessment mark for exam admission (%)				40%	
	Final mark =	% year Assess Mark			60%	
		% exam Assess Mark			40%	
	Min Final Assessment mark to pass (%)				50%	
Summative Assessment Paper:		**Paper 1**		**Paper 2**	**Paper 3**	
	Theory / Practical	Theory				
	Duration	3 hours				
	% of Exam Mark	50%				
	Sub minimum	40%				

Field: Minor Oral Surgery

MODULAR INFORMATION			
Department:	ORAL & MAXILLOFACIAL PATHOLOGY	**School:**	DENTISTRY

Last Revision date:	2019			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?		No		**If YES, give the module codes:**			
Module linked to Qualification/s:	PDN01						

Module Code: (4 alphabetic & 3 numeric)	MDTA180
Module Name:	ORAL PATHOLOGY
Content:	• Periapical pathology • Cysts of odontogenic origin • Neoplasms of dental origin • Osteomyelitis and osteoradionecroses • Infective oral mucos lesions • Premalignant lesions and oral mucosal malignancies
Learning Outcomes:	The student will be able to diagnose oral diseases and abnormalities macroscopically

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	16	6	090304

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	Full Time	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1		

Pre-requisite modules for this module:	
Co-requisites modules for module:	MDTB180; MDTC180; MDTD180; MDTE180; MDTF180
Assessment Criteria:	Correct diagnoses of periapical pathology, cysts of odontogenic origin, neoplasm of dental origin, osteomyelitis and osteoradionecroses, infective oral mucous lesions, premalignant lesions and oral mucosal malignancies
Assessment Methods:	Seminars, Assignments

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	THEORY			
	Duration	3 HOURS			
	% contribution to Summative Assessment Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION

Department:	ANATOMY			**School:**	MEDICINE		
Last Revision date:	2019			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	No			**If YES, give the module codes:**			
Module linked to Qualification/s:	PDN01						

Module Code: (4 alphabetic & 3 numeric)	MDTB180				
Module Name:	OROFACIAL ANATOMY				
Content:	Gross Anatomy and embryology of the orofacial region including embryology-branchial arches, tooth structures and salivary glands				
Learning Outcomes:	The student will be able to correctly identify anatomical structures in the oro-facial region and be able to explain the embryology involved.				
Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**		
	16	6	130402		
Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**		
	SMU	Full Time	Y		
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1		
Pre-requisite modules for this module:					
Co-requisites modules for module:	MDTA180; MDTC180; MDTD180; MDTE180; MDTF180				
Assessment Criteria:	Using anatomical knowledge correctly in developing treatment options.				
Assessment Methods:	The content of a presentation will be assessed by senior academic members of the department and marks will be awarded according to a score sheet for content and the presentation.				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Written			
	Duration	3 HOURS			
	% contribution to Summative Assessment Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION			
Department:	**Physiology**	**School:**	**Medicine**
Last Revision date:	2018	**First Year Offered (New):**	2015

Replace this Module existing module(s)?		No		**If YES, give the module codes:**			
Module linked to Qualification/s:	PDN01						

Module Code: (4 alphabetic & 3 numeric)	MDTC180
Module Name:	APPLIED OROFACIAL PHYSIOLOGY
Content:	General knowledge of the nervous system components and the functions of each and an in depth knowledge of pain. Know the constituents of blood, the functions of each and explain hemostasis and blood clotting. Discuss specific and non-specific immune responses. Know the composition, control and functions of saliva. Explain the control of blood pressure and understand the principles of shock. Understand the basic principles of endocrinology and explain the control of plasma glucose and Ca^{2+} levels.
Learning Outcomes	The student will be able to classify the nervous system and categorise the physiology and pathophysiology of blood, blood clotting, immune responses, composition, control and functions of saliva, control of blood pressure, control of plasma glucose and the control of Ca^{2+} levels.

Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	16	6	130899

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	Full time	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			0.5		2

Pre-requisite modules for this module:	
Co-requisites modules for module:	MDTA180; MDTB180; MDTD180; MDTE180; MDTF180
Assessment Criteria	• The student will demonstrate specialist knowledge to enable engagement with and critique of current research and practices, and advanced scholarship and research in applied physiology relevant to the specialist discipline • Will make sound judgments using data and information to their disposal and communicate their conclusions clearly to specialist and non-specialist audiences in applied physiology relevant to the practice of the specialist discipline
Assessment Methods	Written Paper and Oral Examination

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Oral**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory + Oral			
	Duration	3 hours + 30 minutes			
	% contribution to Summative Assessment Mark	100%			

	Sub minimum	40%			

MODULAR INFORMATION						
Department: Maxillofacial and Oral Surgery			**School:** DENTISTRY			
Last Revision date: 2020			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	PDN01					

Module Code: (4 alphabetic & 3 numeric)	MDTD180				
Module Name:	Complications of Minor Oral Surgery				
Content:	Perioperative complications of oral surgery Postoperative complications Medical emergencies in the dental practice				
Learning Outcomes:	The student must be able to recognize, analyze, and formulate an appropriate clinical response to and develop a treatment plan for • Perioperative complications of oral surgery • Postoperative complications of oral surgery • Medical emergencies in the dental practice				
Module Information:	**SAQA Credits**		**ITS Course Level**		**CESM Code (3rd Order)**
	20		6		090308
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		Part Time		Year
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
		1		1	2
Pre-requisite modules for this module:					
Co-requisites modules for module:	MDTA180; MDTB180; MDTC180; MDTE180; MDTF180				
Assessment Criteria	The student must be able to answer questions in detail, and identify in *viva voce*, on the perioperative, postoperative and medical emergencies				
Assessment Methods:	1x Case Study Oral presentation of the case study				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Assignment**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory+ Practical + Oral			

	Duration	4 Hours			
	% contribution to Summative Assessment Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION							
Department: Maxillofacial and Oral Surgery				**School:** DENTISTRY			
Last Revision date: 2020				**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No				**If YES, give the module codes:**			
Module linked to Qualification/s:	PDN01						
Module Code: (4 alphabetic & 3 numeric)	MDTE180						
Module Name:	Advanced Exodontia						
Content:	Advanced Exodontia Minor dento-alveolar surgery Surgical procedures for impacted teeth Basic surgical procedures for oral pathological lesions and sepsis treatment.						
Learning Outcomes:	•						
Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**		**ITS Course Level**		**CESM Code (3rd Order) (Six Numbers)**		
	20		6		090308		
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**		
	SMU		Part Time		Year		
Periods per week: (75 minutes)	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**		
		1	1		2		
Pre-requisite modules for this module:							
Co-requisites modules for module:	MDTA180; MDTB180; MDTC180; MDTD180; MDTF180						
Assessment Criteria	The student must be able to answer questions *in detail*, and identify in viva voce, on the following topics: • Factors determining the spread of infection from a carious tooth • Ludwig's angina • Excisional and incisional biopsy • Medical and surgical management of a patient with orofacial infection • Effect of diabetes, cirrhosis, Asthma, radiation etc on dental treatment of a patient						
Assessment Methods:	1x Written Assignment Oral presentation of the written assignment						
Mark	Minimum Form Assessment Mark for exam admission (%)						

Structure:	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Assignment**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory/Practical/ Oral			
	Duration	4 hours			
	% contribution to Summative Assessment Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department: Maxillofacial and Oral Surgery				**School:** DENTISTRY		
Last Revision date: 2020			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:		PDN01				

Module Code: (4 alphabetic & 3 numeric)	MDTF180				
Module Name:	Introduction to Facial Trauma				
Content:	Primary management of the injure patient Mandibular fractures (under local anaethesia) Midface fractures				
Learning Outcomes:	The student must be able to • Provide initial treatment to an injure patient • Manage mandibular fractures • Perform life-saving orofacial procedures on the injured patient • Diagnose and initially manage fractures of the midface				
Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**		**ITS Course Level**		**CESM Code (3rd Order) (Six Numbers)**
	20		6		090308
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		Part Time		Year
Periods per week: (75 minutes)	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1		1		2
Pre-requisite modules for this module:					
Co-requisites modules for module:	MDTA180; MDTB180; MDTC180; MDTD180; MDTE180;				
Assessment Criteria	The student must be able to answer questions *in detail*, and identify in viva voce, on the following topics: • Primary and secondary surveys for the injured patient				

	• Identify and classify mandible fractures • LeFort fractures • Orbital fractures • Zygoma fractures • Naso-Orbito-Ethmoidal (NOE) fractures					
Assessment Methods:	1x Case Study Oral presentation of the case study					
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)					
	Final mark =	% Formative Assessment Mark				
		% Summative Assessment Mark	100%			
	Minimum final mark to pass (%)		50%			
Summative Assessment Paper:		**Assignment**	**Paper 2**	**Paper 3**	**Paper 4**	
	Theory / Practical	Theory/Practical/Oral				
	Duration	4 hours				
	% contribution to Summative Assessment Mark	100				
	Sub minimum	50%				

Field: Community Dentistry

MODULAR INFORMATION						
Department: Community Dentistry:			**School: DENTISTRY**			
Last Revision date: 2020			**First Year Offered (New): 2015**			
Replace this Module existing module(s)? Yes / **No**			**If YES, give the module codes:**			
Module linked to Qualification/s:	**PDN01**					
Module Code: (4 alphabetic & 3 numeric)	MPRA180					
Module Name:	THE CONCEPT OF HEALTH AND ITS DETERMINANTS					
Content:	• Determinants of health; • Models of health and its deficiencies, particular attention to the Medical model • Impact of development on health • Implications of the broader concept of health on planning					
Learning Outcomes	SPECIFIC OUTCOME 1: To understand, evaluate and recognize the determinants of health. SPECIFIC OUTCOME 2: Critique the models of health (including medical model) and their deficiencies SPECIFIC OUTCOME 3: Understanding the impact of development on health SPECIFIC OUTCOME 4: Understand and apply knowledge about the implications of the broader concept of health on planning					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Orde**	
	24		6		090305	

Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU				
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1			1	Y
Pre-requisite modules for this module:					
Co-requisites modules for module:	MPRB180; MPRC180; MPRD180; MPRE180				
Assessment Criteria	**ASSESSMENT 1:** Competence in outcome 1: will be demonstrated when the student shows the ability to recognize, and evaluate what constitutes the determinants of health under different contexts. **ASSESSMENT 2:** Competence in outcome 2: will be demonstrated when the student is able to provide a sound evidence based critique the models of health (including medical model) and their deficiencies **ASSESSMENT 3 & 4:** Competence in outcome 3 & 4: will be demonstrated when the student shows an understanding of the impact of development on health; be able to apply the knowledge about health on planning of health and related services.				
Assessment Methods	Presentations, Seminar Discussions, Tests , Portfolio, Assignments.				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		50%
	Final mark =	% Formative Assessment Mark	50%
		% Summative Assessment Mark	50%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	40%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department: Community Dentistry:			**School: School of Dentistry**			
Last Revision date: 2015			**First Year Offered (New): 2015**			
Replace this Module existing module(s)? Yes / **No**			**If YES, give the module codes:**			
Module linked to Qualification/s:	**PDN01**					

Module Code: (4 alphabetic & 3 numeric)	MPRB180
Module Name:	HEALTH POLICY
Content:	• Policy and the need policy • Policy formulated

	• Getting policy on the agenda of and organization • Policy analysis • Government policy process
Learning Outcomes	**1** To understand what constitutes policy and why we need policy **2** To comprehend and appreciate the process of Policy formulated **3** To Understanding how Policy gets on the agenda of and organization **4** **U**nderstand policy analysis process, with specific reference to government policy process.

Module Information:	**SAQA Credits**	**SAQA Credits**	**SAQA Credits**
	24	24	24

Delivery Information:	**Campus**	**Campus**	**Campus**
	SMU	SMU	SMU

Periods per week:	**Classes**	**Classes**	**Classes**	**Classes**	**Classes**
	1	1	1	1	1

Pre-requisite modules for this module:	
Co-requisites modules for module:	MPRA180; MPRC180; MPRD180; MPRE180
Assessment Criteria	**1:** Competence in outcome 1: will be demonstrated when the student shows the ability to recognize, and evaluate what a policy documents, and give reasons why that policy exists in the first place. **2:** Competence in outcome 2: will be demonstrated when the student is able to provide detail and evidence about the process that was undertaken to formulate the policy. Be able to critique the process for its rigour, structure and legitimacy. **3: C**ompetence in outcome 3: will be demonstrated when the student shows an understanding of policies that get onto organizational agendas and those that do not. It is expected that students will provide adequate rationale for these phenomena. **4:** Competence in outcome 4: will be demonstrated when the student shows an understanding of policy analysis processes. Critique different methods of policy analysis and justify the applicability of each method, and their contexts. .
Assessment Methods	Presentations, Seminar Discussions, Tests, Portfolio, Assignments.

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		50%
=	Final mark	% Formative Assessment Mark	50%
		% Summative Assessment Mark	50%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	40%			
	Sub minimum	50%			

MODULAR INFORMATION	
Department: Community Dentistry:	**School: DENTISTRY**
Last Revision 2015	**First Year Offered** 2015

date:			**(New):**			
Replace this Module existing module(s)?			**If YES, give the module codes:**			
Module linked to Qualification/s:	PDN01					

Module Code: (4 alphabetic & 3 numeric)	MPRC180			
Module Name:	**HEALTH SYSTEMS**			
Content:	• Understanding system. • Health systems and its constitution • Characteristics of a good health system? • Monitoring and evaluating health systems • Types of health systems and rationale for different systems (approaches) • Effective oral health system, in the era of the National Health Insurance.			
Learning Outcomes	**At the end of this module the student should be able to :** **SPECIFIC OUTCOME 1,2 and 3** Understands what a system is, what constitute a health system and know the characteristics of a good health system **SPECIFIC OUTCOME 4** Evaluate and monitor the performance of a health system using a variety of criteria. **SPECIFIC OUTCOME 5** Provide evidence on the rationale for adopting a specific type of health systems, its pro and cons and applicability within a context. **SPECIFIC OUTCOME 6** Critique the effectiveness of an oral health system in the light of NHI in South Africa.			
Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**	
	24	6	090305	
Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**	
	SMU	FULL TIME	Y	

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1			1	Y

Pre-requisite modules for this module:	
Co-requisites modules for module:	MPRA180; MPRB180; MPRD180; MPRE180
Assessment Criteria	**ASSESSMENT 1, 2 and 3** Competence in outcome 1, 2 and 3: will be demonstrated when the student understands what a system is, what constitute a health system and know the characteristics of a good health system **ASSESSMENT 4** Competence in outcome 4: will be demonstrated when the student is able to evaluate and monitor the performance of a health system using a variety of criteria. **ASSESSMENT 5** Competence in outcome 5: will be demonstrated when the student is able to provide evidence on the rationale for adopting a specific type of health systems, its pro and cons and applicability within a context. **ASSESSMENT 6** Competence in outcome 4: will be demonstrated when the student is able to critique the effectiveness of an oral health system in the light of NHI in South Africa.

Assessment Methods		Assignments, Presentation, tests, Seminar Discussion, Portfolio	
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		50%
	Final mark =	% Formative Assessment Mark	50%
		% Summative Assessment Mark	50%
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Assignment 1			
	Duration	3 hours			
	% of Exam Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department: Community Dentistry					**School: DENTISTRY**	
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)?			**If YES, give the module codes:**			
Module linked to Qualification/s:	PDN01					
Module Code: (4 alphabetic & 3 numeric)	MPRD180					
Module Name:	HEALTH PROMOTION					
Content:	• Health promotion, definition and conceptualization • Health promotion charters and their importance • Difference between health education and health promotion • Health program development					
Learning Outcomes	**At the end of this module the student should be able to :** **SPECIFIC OUTCOME 1** Understands how health promotion is defined and conceptualization **SPECIFIC OUTCOME 2** Understand health promotion charters and their importance **SPECIFIC OUTCOME 3** Distinguish between health education and health promotion **SPECIFIC OUTCOME 4** Understand program health program development					

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	24	6	090305

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FT	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1			1	Y

Pre-requisite modules for this module:	

Co-requisites modules for module:	MPRA180; MPRB180; MPRC180; MPRE180
Assessment Criteria	**ASSESSMENT 1 and 3** Competence in outcome 1, and 3: will be demonstrated when the student understands how health promotion is defined and conceptualization, and be able to distinguish between health promotion and education (elucidate areas of similarity and differences) **ASSESSMENT 2** Competence in outcome 2: will be demonstrated when the student is able to demonstrate an understanding of health promotion charters and their importance **ASSESSMENT 4** Competence in outcome 4: will be demonstrated when the student is able develop, monitor and evaluate a health program
Assessment Methods	Assignments, Presentation, tests, Seminar Discussion, Portfolio

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		50%
	Final mark =	% Formative Assessment Mark	50%
		% Summative Assessment Mark	50%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Assignment 1			
	Duration	3 hour paper			
	% of Exam Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department: Community Dentistry				**School: DENTISTRY**		
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)?			**If YES, give the module codes:**			
Module linked to Qualification/s:	PDN01					

Module Code: (4 alphabetic & 3 numeric)	MPRE180
Module Name:	**INTRODUCTION TO EPIDEMIOLOGY, BIOSTATISTICS AND RESEARCH METHODS**
Content:	• Basic principles of Epidemiology • Basics statistics for health care sciences • Research methods in health care
Learning Outcomes	**At the end of this module the student should be able to :** **SPECIFIC OUTCOME 1** Understand what epidemiology is, what underpinning assumptions are in epidemiology. Will develop knowledge of epidemiological studies in health care. **SPECIFIC OUTCOME 2** Understands the basis for statistical application and analysis in health care. Be aware of different statistical analysis and their appropriate use in health care data management **SPECIFIC OUTCOME 3** Have working knowledge about different research approaches and methodologies in health care; will be familiar with research process applicable

	in oral health settings.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	24		6		090305
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FULL TIME		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1			1	Y
Pre-requisite modules for this module:					
Co-requisites modules for module:	MPRA180; MPRB180; MPRC180; MPRD180;				
Assessment Criteria	**ASSESSMENT 1** Competence in outcome 1: will be demonstrated when the student understands the underpinning assumptions of epidemiology, and how these assumptions impact on epidemiologic methodology and inquiry. Will demonstrates the ability to integrate the knowledge of epidemiological methodology in design of studies in health care **ASSESSMENT 2** Competence in outcome 2: will be demonstrated when the student is able to use basic knowledge of statistics in analysis of health data, and in the interpretation is similar data and results. **ASSESSMENT 3** Competence in outcome 3: will be demonstrated when the student is able about develop sound research protocol, collect relevant data, perform basic analysis, interpret the results of their win findings and reach a conclusion. The student is expected to give a research report incorporating all the above assessment outcomes.				
Assessment Methods	Assignments, Presentation, tests, Seminar Discussion, Portfolio				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		50%
	Final mark =	% Formative Assessment Mark	50%
		% Summative Assessment Mark	50%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Assignment 1			
	Duration	3 hour paper			
	% of Exam Mark	100%			
	Sub minimum	50%			

BSC HONS (DENTAL SCIENCES) (HDS01)

MODULAR INFORMATION		
Department: Oral & Maxillofacial Pathology		**School: DENTISTRY**
Last Revision date: 2015	**First Year Offered 2015**	

			(New):			
Replace this Module existing module(s)?		**Y**	**If YES, give the module codes:**		**OANA601; OPHY601;**	**ORMI601**
Module linked to Qualification/s:	**HDS01**					

Module Code: (4 alphabetic & 3 numeric)	MMXE080
Module Name:	ORAL ECOLOGY
Module Content:	• The development and composition of the Oral micro-flora from birth to old age • The different ecological sites in the oral cavity. • Development and growth of dental plaque • Control of oral micro-flora • Cultivation and identification of oral micro-flora
Learning Outcomes:	At end of this module the student will be able to: • explain how the oral cavity is colonized by different microbial species and how this balance is maintained through life. • identify the different ecological sites in the oral cavity and understand the factors involved in each site. • explain the development of dental plaque and describe the roles of *Streptococcus mutans* and sucrose in the process. • select the most appropriate measure for the control of the oral micro-flora in individual patients • use the correct methodologies to cultivate and identify different bacterial species causing diseases in the oral cavity.

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	20	6	090304

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	Full time	y

Periods per Week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1	1	1	1	Y

Pre-requisite modules for this module:	
Co-requisites modules for module:	MMXA080; MMXB080; MMXC080; MMXD080
Assessment Criteria:	The student will pass the module if he/she: - has demonstrated, verbally or in writing, a systematic understanding of the development of the normal oral micro-flora. - has demonstrated, verbally or in writing, the ability to describe and explain the differences in the different ecological sites in the oral cavity. - has demonstrated, verbally or in writing, an understanding of the development process of dental plaque as well as physiological processes taking place in the plaque - has demonstrated the ability to choose the correct methods to control the oral micro-flora - has demonstrated the ability to cultivate and identify different species of the oral micro-flora
Assessment Methods:	2 written class tests, seminars, assignments and practical test. Written examination.

Assessment Weighting:			
	Min Formative Assessment mark for exam admission (%)		40%
	Final mark =	% Formative Assess Mark	60%

		100%	% Summative Assess Mark		40%
		Min Final Assessment mark to pass			50%
Summative Assessment Paper:		**Paper 1**		**Paper 2**	**Paper 3**
	Theory / Practical	Theory	Practical	Choose an item.	Choose an item.
	Duration	2	3		
	Sub minimum	40%	50%		
	% Distribution (if more than one "Paper")	60%	40%		

MODULAR INFORMATION						
Department: **Oral & Maxillofacial Pathology**					**School:** **DENTISTRY**	
Last Revision date: **2015**			**First Year Offered (New):** **2015**			
Replace this Module existing module(s)? **Yes**			**If YES, give the module codes:** ANTM607 & ANTM608			
Module linked to Qualification/s:	**HDS01**					

Module Code: (4 alphabetic & 3 numeric)	MMXB080				
Module Name:	Microbiological Aetiology of Dental Caries				
Content:	• The role of dental plaque in the development of dental caries • Acid producing bacteria • the Stephan curve • the process of enamel demineralisation. • the process of remineralisation of enamel				
Learning Outcomes:	At the end of this module the student will understand: • how plaque adheres to enamel surfaces • how acid is being produced by a variety of bacteria • how the pH on the enamel surface varies as a result of bacterial actions (the Stephan curve) • how the acid leads to demineralisation of the exposed enamel • how remineralisation can occur in the presence of Ca, Phosphates and fluorides when the pH returns to normal				
Module Information:	**SAQA Credits**		**ITS Course Level**		**CESM Code (3rd Order)**
	24		6		090304
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		Full		Year
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1	1	1		Y
Pre-requisite modules for this module:					
Co-requisites modules for module:	MMXA080; MMXE080; MMXC080; MMXD080				
Assessment Criteria	The student will pass this module when he/she can demonstrate: verbally or in writing: • the processes involved in plaque adherence to enamel				

	• and assess the acid producing processes of various bacteria • the fluctuations of the pH on the enamel surfaces • and assess the process of demineralisation • and assess the process of remineralisation
Assessment Methods:	2 written class tests, seminars and assignments. Written examination.

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory paper			
	Duration	2 hours			
	% contribution to Summative Assessment Mark	100%			
	Sub minimum	40%			

MODULAR INFORMATION						
Department: **Oral & Maxillofaical Pathology**					**School:** **DENTISTRY**	
Last Revision date: **2015**			**First Year Offered (New):** **2015**			
Replace this Module existing module(s)? Yes / No			**If YES, give the module codes:**			
Module linked to Qualification/s:	**HDS01**					

Module Code: (4 alphabetic & 3 numeric)	**MMXC080**
Module Name:	Immunology in the Oral Cavity
Module Content:	Basic principles of immunology: B- and T cell responses Protective mechanisms in the oral cavity Mucosal immunity Waldeyer's ring of lymphoid tissues Salivary immunity Gingival fluid and immune reactions Auto-immune diseases of the oral cavity
Learning Outcomes:	. At the end of this module learners must be able to: • demonstrate a basic understanding of the functioning of the immune system • understand the innamte- and specific protection mechanisms in the oral tissues. • demonstrate a detailed understanding of mucosal protection, functioning of Waldeyer's ring of lymphoid tissues and theprotective role of saliva • demonstrate an understanding of auto immune diseases affecting the oral tissues

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**

	20		6		090304	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		Full time		y	
Periods per Week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
	1	1	1		Y	
Pre-requisite modules for this module:						
Co-requisites modules for module:	MMXA080; MMXB080; MMXE080; MMXD080					
Assessment Criteria:	A student will pass the module if he/she can: • explain the basic principles of immune reactions • discuss the interaction between innate- and specific oral immunity • explain the role cells play in protecting the oral mocosa and upper respiratory tract • explain the functioning of Watldeyer's ring of lymphoid tissue • explain the role of saliva in protection of oral tissues • explain with appropriate examples the pathogenesis of oral auto-immune diseases					
Assessment Methods:	Class tests and a written examination					
Assessment Weighting:	Min Formative Assessment mark for exam admission (%)				40%	
	Final mark = 100%	% Formative Assess Mark			60%	
		% Summative Assess Mark			40%	
	Min Final Assessment mark to pass (%)				50%	

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Choose an item.	Choose an item.	Choose an item.
	Duration	2hr			
	Sub minimum	40%			
	% Distribution (if more than one "Paper")	100%			

MODULAR INFORMATION						
Department: Oral Pathology				**School: DENTISTRY**		
Last Revision date: 2015			**First Year Offered (New): 2015**			
Replace this Module existing module(s)? Yes / No			**If YES, give the module codes:**			
Module linked to Qualification/s:	**HDS01**					
Module Code: (4 alphabetic & 3 numeric)	**MMXD080**					
Module Name:	**Microbiology of Periodontal Diseases**					
Module Content:	Bacterial gingivitis and periodontitis (including NUG) Viral infections of the oral tissues					

<table>
<tr><td colspan="2"></td><td colspan="5">• vesiculo-bullous viruses
• papilloma viruses
• paramyxo virus infections
• viruses and oncology
• HIV/AIDS
Fungal infections (superficial- and deep)
Principles of antimicrobial therapy
• Anti-bacterial medication
• Anti-fungal medication
Anti-viral medication</td></tr>
<tr><td colspan="2">Learning Outcomes:</td><td colspan="5">At the end of the module a learner must be able to:
• Can explain bacterial interaction during the progression of gingivitis and periodontitis
• Understands the roles viruses play in infective- and neoplastic oral disease
• Understands and can explain the pathogenesis of superficial- and deep fungal infections of the oral and peri oral tissues
• Understands the mechanisms of action of anti-microbiological drugs</td></tr>
<tr><td colspan="2" rowspan="2">Module Information:</td><td>SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td colspan="2">CESM Code (3rd Order)</td></tr>
<tr><td>24</td><td colspan="2">6</td><td colspan="2">090304</td></tr>
<tr><td colspan="2" rowspan="2">Delivery Information:</td><td>Campus</td><td colspan="2">Full/Part Time</td><td colspan="2">Period (1st/2ndSem)</td></tr>
<tr><td>SMU</td><td colspan="2">Full time</td><td colspan="2">y</td></tr>
<tr><td colspan="2" rowspan="2">Periods per Week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>1</td><td>1</td><td>1</td><td></td><td>Y</td></tr>
<tr><td colspan="2">Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
<tr><td colspan="2">Co-requisites modules for module:</td><td colspan="5">MMXA080; MMXB080; MMXE080; MMXC080</td></tr>
<tr><td colspan="2">Assessment Criteria:</td><td colspan="5">A learner will pass this module if he/she can:
• Explain the role microbes play in gingivitis and periodontitis
• Explain the pathogenesis of viral infections in the oral tissues including the role viruses play in inducing malignancies
• Explain the pathogenesis of superficial- and deep fungal infections
• Explain the mechanisms of action of anti-bacterial-, anti-fungal- and anti-viral drugs</td></tr>
<tr><td colspan="2">Assessment Methods:</td><td colspan="5">Class tests and a written examination.</td></tr>
<tr><td colspan="2" rowspan="4">Assessment Weighting:</td><td colspan="3">Min Formative Assessment mark for exam admission (%)</td><td colspan="2">40%</td></tr>
<tr><td rowspan="2">Final mark =</td><td colspan="2">% Formative Assess Mark</td><td colspan="2">60%</td></tr>
<tr><td colspan="2">% Summative Assess Mark</td><td colspan="2">40%</td></tr>
<tr><td colspan="3">Min Final Assessment mark to pass (%)</td><td colspan="2">50%</td></tr>
<tr><td rowspan="5">Summative Assessment Paper:</td><td></td><td>Paper 1</td><td>Paper 2</td><td>Paper 3</td><td>Paper 4</td></tr>
<tr><td>Theory / Practical</td><td>Theory</td><td>Choose an item.</td><td>Choose an item.</td><td>Choose an item.</td></tr>
<tr><td>Duration</td><td>2 hours</td><td></td><td></td><td></td></tr>
<tr><td>Sub minimum</td><td>40%</td><td></td><td></td><td></td></tr>
<tr><td>% Distribution (if more than one “Paper”)</td><td>100%</td><td></td><td></td><td></td></tr>
</table>

MODULAR INFORMATION REQUIRED							
Department:	**Oral & Maxillofacial Pathology**				**School:**	**DENTISTRY**	
Last Revision date:	2015			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	No			**If YES, give the module codes:**	**N/A**		
Module linked to Qualification/s:	HDS01						

Module Code: (4 alphabetic & 3 numeric)	MMXA080
Module Name:	Research Project in Oral Microbiology
Content:	Students choose their projects from those presented by the supervisors. The students must first do a literature review, develop research protocol for ethics clearance, followed by laboratory experiments including at least two laboratory techniques of which one should be a molecular technique, and finally writing of research reports. Oral presentation and examination of project by external examiner
Learning Outcomes:	**Specific Outcome 1:** • The student is expected to be able to show acquaintance with and an understanding of the research methods. • The student should be able to analyze literature and formulate research questions • The research report shall show proof of the candidate's ability to work independently; the language must be correct and technical workmanship satisfactory. **Specific Outcome 2:** • Show the ability to interpret experimental data; • the ability to design experiments; • good quantitative skills such as the ability to accurately and reproducibly prepare reagents for experiments and process raw data; • the ability to work safely and effectively in the laboratory; **Specific Outcome 3:** • Be able to critically analyse ethical issues regarding research practices

Module Information:	**SAQA Credits**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	32	6	090304
Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	Full-time	y

Periods per week:	**Classes**	**Practicals / Research**	**Tutorial/Research meeting**	**Seminars**	**Independent Learning**
	N/A	3	1 hr	N/A	4

Pre-requisite modules for this module:	N/A
Co-requisites modules for module:	MMXC080; MMXB080; MMXE080; MMXD080
Assessment Criteria:	**A research report that proves that the student can:** • review the literature and present at the seminars and journals clubs • critically analyse scientific papers • identify the areas in need of research • formulate research questions and develop a research proposal • Have practical skills;

		• solve problems in laboratory; • report results in scientific manner • submit a research proposal to the ethics committee and obtain ethical approval • Project report should reveal an adequate acquaintance with the methodology of research • Project report should be satisfactory with regards to literary style			
Assessment Methods:		Marks for protocol development (presentation); research project (write-up, presentation of project and oral examination). A student should submit final research report in the form mini-dissertation which will be assessed internally by one examiner and externally by one independent external examiner			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A		
	Final mark =	% Formative Assessment Mark	N/A		
		% Summative Assessment Mark	100%		
	Minimum final mark to pass (%)		50%		
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Research Report			
	Duration	N/A			
	% contribution to Summative Assessment Mark	100%			
	Subminimum	50%			

MASTERS DEGREES

M Dent(Comm Dent), M Dent (MFOS), M Dent(Oral Path), M Dent(Ortho), M Dent(Perio & Oral Med), M Dent(Pros), MDS, MSc (Dent)

ALL MASTERS DEGREE PROGRAMMES WILL HAVE THE MODULES APPLIED ETHICS AND MEDICAL LAW, BIOSTATISTICS AND RESEARCH METHODOLOGY

MODULAR INFORMATION									
Department:	ORAL & MAXILLOFACIAL PATHOLOGY				**School:**	DENTISTRY			
Last Revision date:	2019				**First Year Offered (New):**	2019			
Replace this Module existing module(s)?	No				**If YES, give the module codes:**				
Module linked to Qualification/s:	MDNB01	MDNC01	MDNA01	MDND01	MDNE02	MDNF01	MDS01	MDSA01	MDT01
Migration Strategy:	No				(If YES, IP05 must also be completed)				
Module Code: (4 alphabetic & 3 numeric)	MEML191								
Module Name:	Applied Ethics and Medical Law								
Content:	Unit 1: Ethical and legal aspects of healthcare								

	This module provides in-depth knowledge pertaining to the ethical and legal aspects of healthcare. The topics covered in this module include: • Overview of ethical concepts, theories and principles and codes of healthcare ethics • Overview of health law and human rights • Medical malpractice and professional negligence • Professionalism in healthcare • Informed consent • Confidentiality • Ethics in research and the use of human tissue <u>Unit 2: Ethical aspects in Respective Specialty</u> This module provides discipline specific application of legal and ethical theories/ principles/codes (presented by the various disciplines). Content teaching and assessments will be specialty specific 2.1 <u>Public Health</u> Principles of public health ethics a) Justice and its implications on health services b) Rationing of resources c) Public context of Autonomy - Community consent vs Individual autonomy - Consent vs Guardianship – school management vs Parental vs State d) Public context of Beneficence and non-maleficence - School based programmes – e.g. health promoting schools - Vulnerable and Marginalised populations – autonomy and paternalism - Disease Prevention and control • Responding to the threat of infectious diseases • Quarantine e.g. water fluoridation • International cooperation in health monitoring and surveillance e) International collaboration for global public health • Participation, transparency, and accountability f) Public health research 2.2 <u>Maxillofacial & Oral Surgery</u> a. Ethical practice in the MFOS Clinic b. Ethical practice in the ICU and general ward rounds c. Ethical practice in the operating theatre d. Ethical practice relating to special groups of patients • The Moslem patient • The Jehovah's Witnesses • Other e. Ethical practice in Gender related issues f. Dealing with litigations. g. case scenarios of possible ethical issues encountered in Maxillofacial surgery 2.3 <u>Orthodontics</u> a. Interacting with referring dentists b. Fees • Responsible charging of fees • How to handle non-paying patients c. Managing transfer cases d. Retention e. Managing relapse cases f. How to deal with litigation

<table>
<tr><td></td><td>2.4 Oral Pathology
a. Particular aspects of Histopathological Practice
b. Specific duties and guidelines for specialist in Oral Pathology
c. Legal Issues
d. Case Scenarios of possible ethical issues encountered in Oral Pathology

2.5 Periodontology & Oral Medicine
a. Informed consent for patients undergoing surgical and other invasive procedures
b. Ethical issues relating to treatment planning, cost of treatment and medical aid claims
c. Scope/Limitations of practice of the Periodontist/Oral Medicine specialist
d. Rendering ethical treatment in a resource constrained environment
e. Surgical error disclosing (ethical and legal issues)
f. Privacy and confidentiality (including HIV related issues)
g. Ethics of cancer management
h. Appropriate/Ethical referral of patients

2.6 Prosthodontics
a. Ethics for management of complex prosthodontic cases – including, but not limited to maxillofacial prosthodontics
b. Informed consent for patients undergoing complex restorative and rehabilitative procedures
c. Appropriate and ethical referrals for patients requiring inter and multidisciplinary management
d. Scope and limitation of practice for the Prosthodontist
e. Ethical issues relating to treatment planning, costing of treatment; third party funders etc
f. Privacy and confidentially for the prosthodontic patient
g. Ethical case management in resource constrained environment
h. Ethical considerations for cases managed inappropriately during case planning, and referred for prosthodontic management – managing transfer cases
i. Ethics informing the clinical attending/management team
j. Ethical consideration for managing the dissatisfied patient</td></tr>
<tr><td>Learning Outcomes:</td><td>At the end of the module students will be able to:
• Identify, analyse and evaluate ethical and legal issues that arise in oral healthcare provision and research within a sound ethical framework
• Apply ethical and legal knowledge to particular problems that may arise in healthcare provision and research</td></tr>
<tr><td>Module Information:</td><td>
<table>
<tr><th>SAQA Credits</th><th>ITS Course Level</th><th>CESM Code (3rd Order) (Six Numbers)</th></tr>
<tr><td>8</td><td>7</td><td>091901</td></tr>
</table>
</td></tr>
<tr><td>Delivery Information:</td><td>
<table>
<tr><th>Campus</th><th>Full/Part Time</th><th>Period (Year/1st/2ndSem)</th></tr>
<tr><td>SMU</td><td>Full Time</td><td>Y</td></tr>
</table>
</td></tr>
<tr><td>Periods per week:</td><td>
<table>
<tr><th>Classes</th><th>Practicals</th><th>Tutorial</th><th>Seminars</th><th>Independent Learning</th></tr>
<tr><td></td><td></td><td>1</td><td></td><td>Y</td></tr>
</table>
</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td>None</td></tr>
<tr><td>Co-requisites modules for module:</td><td>None</td></tr>
</table>

Assessment Criteria:	The following assessment criteria are assessed in an integrated manner in the main discipline: • Identify, analyse and evaluate ethical and legal issues that arise in oral healthcare provision and research within a sound ethical framework • Apply ethical and legal knowledge to particular problems that may arise in healthcare provision and research • Demonstrate an awareness through actions or in writing of the moral, legal and ethical responsibilities involved in individual patient care and the provision of care to populations
Assessment methods	This module is assessed formatively through discipline specific and multidisciplinary. Integrated assessments are performed on a continuous basis and are incorporated and integrated in the main module through seminars, case discussions, treatment planning; case management; interdisciplinary discussions and various modalities reinforcing ethical understanding and practice.

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =		Formative Assessment - 100% (assignments; seminars, presentations (PBLs); multidisciplinary case discussions)
			Summative assessment- (portfolio of evidence of learning)
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	N/A	N/A	N/A	N/A
	Duration				
	% contribution to Summative Assessment Mark				
	Sub minimum				

MODULAR INFORMATION									
Department:	ORAL & MAXILLOFACIAL PATHOLOGY					**School:**	DENTISTRY		
Last Revision date:	2020					**First Year Offered (New):**	2020		
Replace this Module existing module(s)?	No					**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01	MDSA01	MDT01						
Migration Strategy:	No (If YES, IP05 must also be completed)								
Module Code: (4 alphabetic & 3 numeric)	MEML192								
Module Name:	Applied Ethics and Medical Law								
Content:	This module provides in-depth knowledge pertaining to the ethical and legal aspects of oral healthcare. The topics covered in this module include: • Overview of ethical concepts, theories and principles and codes of healthcare ethics • Overview of health law and human rights • Medical malpractice and professional negligence • Professionalism in healthcare • Informed consent • Confidentiality								

	• Ethics in research and the use of human tissue • Evaluation of case-based scenarios of ethical issues which arise in dental practice
Learning Outcomes:	At the end of the module students will be able to: • Identify, analyse and evaluate ethical and legal issues that arise in oral healthcare provision and research within a sound ethical framework • Apply ethical and legal knowledge to particular problems that may arise in healthcare provision and research

Module Information:	**SAQA Credits**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	8	7	091901

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	Full Time	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1		Y

Pre-requisite modules for this module:	None
Co-requisites modules for module:	None
Assessment Criteria:	The following assessment criteria are assessed in an integrated manner in the main discipline: • Identify, analyse and evaluate ethical and legal issues that arise in oral healthcare provision and research within a sound ethical framework • Apply ethical and legal knowledge to particular problems that may arise in healthcare provision and research • Demonstrate an awareness through actions or in writing of the moral, legal and ethical responsibilities involved in individual patient care and the provision of care to populations
Assessment methods	This module is assessed formatively through discipline specific and multidisciplinary. Integrated assessments are performed on a continuous basis and are incorporated and integrated in the main module through seminars, case discussions, treatment planning; case management; interdisciplinary discussions and various modalities reinforcing ethical understanding and practice.

Mark Structure:		
	Minimum Form Assessment Mark for exam admission (%)	N/A
	Final mark =	Formative Assessment - 100% (assignments; seminars, presentations (PBLs); multidisciplinary case discussions)
	Minimum final mark to pass (%)	50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	N/A	N/A	N/A	N/A
	Duration				
	% contribution to Summative Assessment Mark				
	Sub minimum				

SECTION F: MODULAR INFORMATION REQUIRED

Department: COMMUNITY DENTISTRY					**School:** DENTISTRY			
Last Revision date: 2019					**First Year Offered (New):** 2019			
Replace this Module existing module(s)? No					**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNA01	MDNB01	MDT01	MDND01	MDNE02	MDNF01	MDS01	MDSA01

Module Code: (4 alphabetic & 3 numeric)	BIOZ191				
Module Name:	Biostatistics				
Content:	The content of this module include: Introduction to statistical theory and measurement. Introduction to descriptive statistical analysis. Introduction to analytical statistical techniques. Application of statistical analysis				
Learning Outcomes	By the end of this module the candidate will have working knowledge of theory underpinning biostatistics. Will be familiar with various statistical techniques. Will be able to integrate and apply statistical knowledge to				
Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**		
	8	7	90305		
Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**		
	SMU	PT	Y		
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1X 5 day (Block week)	2 Hours per week x 6 weeks	2 x 4 hours		Y
Pre-requisite modules for this module:					
Co-requisites modules for module:	(Research Methodology in the Health Sciences) which replaces REME701, PROD891				
Assessment Criteria	The student will demonstrate competence in data analysis and interpretation, which would enable reaching appropriate research conclusion(s).				
Assessment Methods	Assignments and summative exam				

Mark Structure:	Minimum formative assessment Mark for exam admission		45%
	40% (Assignments) 60% (Summative assessment)	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass 50 (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Practical			
	Duration	4 hours			
	% of Exam Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION			
Department: RESEARCH OFFICE		**School:** DVC: Research	
Last Revision date: 2019		**First Year Offered (New):** 2019	
Replace this Module existing module(s)? No		**If YES, give the module codes:**	

Module linked to Qualification/s:	MDNA01	MDNB01	MDNC01	MDND01	MDNE01	MDNF01	MDS01	MDSA01
	MDT01							

Module Code: (4 alphabetic & 3 numeric)	MDRM191
Module Name:	Research Methodology
Content:	• Meaning and principles of research as a core activity • Planning Research – how do I start? • Choosing a Research Approach • Literature Search and Critical Analysis of the Literature • Avoiding Plagiarism and Turn-it-in as an application • Qualitative and Quantitative Research approaches • Evidence-based research • Presentation of Research • Research Protocol requirements to submit • Ethical Issues in Research • Research Question, Referencing & Funding of Research • Writing applications for External Funding Opportunities • Questionnaire Design • Poster presentation of Research Result • Postgraduate Research Incentives • Preparation of research proposals into a formal protocol submission • Introduction to Postgraduate Research paradigms • Literature reviews and online research resources • Theoretical, Quantitative and Qualitative approaches and methods • Presentation and interaction with research ethics committees (dual review) for approval at MREC • Capstone seminar to communicate with peers the approved research proposal reflecting on the lessons learnt in the module
Learning Outcomes	Candidates: - acquire knowledge of the fundamentals of postgraduate research - respond and engage in opportunities to learn about and/or to update their knowledge of research methods with special reference to the Research Toolbox available to the postgraduate students. - describe basic research designs including interview, observation, longitudinal and cross-sectional designs, experiment, single case study, survey together with their suitability for investigating different types of research questions - conceptualize, design, execute and report on a research question or focal area - having their own specific research question in mind, explore various statistical approaches to research in the Health Sciences professions to empower them with an understanding of basic statistical concepts, statistical measures, design features in clinical research, and an introduction to statistical analytical procedures (especially the ability to interpret statistical results), which they can apply when writing up their research proposal and eventually the mini-dissertation. - get engaged in ethical issues in research, using the research toolbox related to sampling, bias, validity and reliability of measures and biostatistics to draft an individual Research protocol to be presented to MREC for approval and ethical clearance. Thereafter each candidate will present their research proposal to their peers and supervisors and obtain permission to execute their research.

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**

	8		7		??	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		PT		Y	
Periods per year:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
				5	Y	
Pre-requisite modules for this module:						
Co-requisites modules for module:						
Assessment Criteria						
Assessment Methods						

Mark Structure:	Minimum formative assessment Mark for exam admission		45%
	40% (assignments. presentation and portfolio) 60%	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory			
	Duration	3 hours			
	% of Exam Mark	100%			
	Sub minimum	50%			

M DENT (COMMUNITY DENTISTRY): MDNB01

SECTION F: MODULAR INFORMATION REQUIRED						
Department: COMMUNITY DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNB01					
Module Code: (4 alphabetic & 3 numeric)	MDBA190					
Module Name:	PUBLIC HEALTH REVIEWS					
Content:	Dental Public health case study interdisciplinary scenarios. Review of Public Health books by Ivan Illich, Mc Keown, Navarro, Dubos, Public Health Journals, Lalonde. Sheiham, And Prescribed books on Dental Public Health.					
Learning Outcomes	OUTCOME 1 • To understand, describe and identify the fundamentals of Public health. • appreciate the development of public health thought different through different scholars (literature perspective) OUTCOME 2					

	• To understand the principles of public health OUTCOME 3 • To understand the differences between clinical care and public health				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	20		7		090305
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FULL TIME		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			2		Y
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria	Can the candidate: • Critically appraise different Public Health theory and thought correctly? • Relate Public Health paradigms with the era in which they are found? • Apply Public health framework or theory to modern day issues, discussions and scenarios correctly?				
Assessment Methods	Assignment, Presentation, Seminar, and written Examination				

Mark Structure:	Minimum formative assessment Mark for exam admission		45%
	40% (assignments. presentation and portfolio) 60%	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	Oral		
	Duration	3 hours	1 hour		
	% of Exam Mark	90%	10%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY				**School:** DENTISTRY		
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNB01					
Module Code: (4 alphabetic & 3 numeric)	MDBB190					
Module Name:	PRINCIPLES OF PUBLIC HEALTH					
Content:	Philosophy of public health, Approaches to health and health care (Biomedical Model of Health care, alternative models), critique of Public and Dental Public Health, conceptualization of health, critique of frameworks or models Approach					

	to health care,					
Learning Outcomes	SPECIFIC OUTCOME 1 To understand, conceptualize and critique Dental public health theory SPECIFIC OUTCOME 2 To understand approaches to Public Health and Dental Public Health SPECIFIC OUTCOME 3 To be able to critique health models (Biomedical and alternative models)					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	20		7		090305	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		FULL TIME		Y	
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
			2			
Pre-requisite modules for this module:						
Co-requisites modules for module:						
Assessment Criteria	The candidate must demonstrate his ability in: • Developing competency by using knowledge of Dental Public Health Knowledge in presentations and seminars • Using the theoretical knowledge of dental public health and applying it to community based programmes • Understanding the problems of the Biomedical approach to health and health care and • providing a holistic approach in presentations and assignments					
Assessment Methods	Assignment, Presentation, Assessment, test, Seminar Discussion, Examination					

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		45%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral		
	Duration	3 hours	1 hour		
	% of Exam Mark	90%	10%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY				**School:** DENTISTRY		
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNB01					

Module Code: (4 alphabetic & 3 numeric)	MDBC190				
Module Name:	HEALTH PROMOTIONS				
Content:	Definitions and principles of Health and health promotion, Determinants of health, Health Promotion Charters beyond, A systematic approaches to health promotion, Health Information needs and its purpose, Healthy public policy, Education of health – the conditions for learning, Individual and mass communication, Settings Approach and methods, Programme Development and Evaluation				
Learning Outcomes	SPECIFIC OUTCOME 1 • Understand the theoretical basis for health promotion. • understand health education and prevention in the context of health promotion SPECIFIC OUTCOME 2 • To know the Health Promotion Charters and their purpose • To know how to apply the Charters to Health Promotion efforts SPECIFIC OUTCOME 3 • To be able to develop health relevant information systems and be able to use it to inform programme development for health promotion • Be able to apply communications skills when engaging communities and be able to use education methods in the programmes developed for them SPECIFIC OUTCOME 4 • Develop health promotion initiative				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	20		7		090305
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FULL TIME		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			2		
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria	• Demonstrating correct knowledge in health and health promotion as applied to seminars, assignments and case studies • Using the correct theoretical knowledge and applying it to situation where health promotion is to be developed • Demonstrating a correct understanding of health promotion, shortcomings of the biomedical model as applied to holistic approaches to health promotion efforts.				
Assessment Methods	Assignment, Presentation, Assessment, test, Seminar Discussion				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		45%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral		
	Duration	3 hours	1 hour		

	% of Exam Mark	90%	10%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY				**School:** DENTISTRY		
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNB01					

Module Code: (4 alphabetic & 3 numeric)	MDBD190
Module Name:	HEALTH POLICY
Content:	What is policy? The health policy triangle with reference to the actors, context and content of policy, How issues get onto the public agenda, How policy initiatives are implemented whilst others do not get the attention. The political dimensions of policy process, The health policy framework; power and the policy process; agenda setting; government and the policy process; interest groups and the policy process; policy implementation; carrying out policy analysis
Learning Outcomes	SPECIFIC OUTCOME 1 • To understand policy and it purpose • To understand how policy is made SPECIFIC OUTCOME 2 • to be able to apply the policy triangle process when developing policy • being able use the policy windows to place policy initiatives on the policy agenda SPECIFIC OUTCOME 3 • To understand the political dimensions of policy • To understand the how to get issues onto the policy agenda • To know the policy process • To be able to analyse policy

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	36	7	090305

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FULL TIME	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			2	1	Y

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria	• Correct understanding of policy and how policies are developed. • Applying the policy triangle correctly in policy development. • Correctly explaining policy windows that provide windows of opportunities for the policy agenda • Correct understanding the political dimensions of policy, getting issues on the policy agenda, the policy process, and being able to analyse policy

Assessment Methods			Assignment, Presentation, Assessment, test, Seminar Discussion			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)					45%
	Final mark =	% Formative Assessment Mark				60%
		% Summative Assessment Mark				40%
	Minimum final mark to pass (%)					50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Theory	Oral		
	Duration	3 hours	I hour		
	% of Exam Mark	90%	10%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY				**School:** DENTISTRY		
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNB01					

Module Code: (4 alphabetic & 3 numeric)	MDBE190
Module Name:	HEALTH SYSTEMS MANAGEMENT
Content:	Primary Health Care and the Alma Ata declaration and its implication for the health system, Reasons for the Alma Ata Declaration and the primary health care approach What is a health system and what is its purpose, Challenges facing health systems globally, Analyzing health systems, Defining a good health system, Assessing quality and performance of health systems, Global health systems in developing and developed countries, The district health system and orientation to the National Health Insurance.
Learning Outcomes	SPECIFIC OUTCOME 1 • To understand Primary health Care and its implication for the health system • To understand the reasons for the Alma Ata Declaration SPECIFIC OUTCOME 2 • To understand health systems and their purpose • To understand the challenges faced by health systems and use this to identify good health systems SPECIFIC OUTCOME 3 • To be able to assess performance and quality in health systems • Be able to make comparisons of health systems in both developing and developed countries to apply best practices • To understand the reasons for migration to the National Health System

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	36	7	090305
Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**

	SMU		FULL TIME		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			2	1	
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria	• Candidates must demonstrate correct understanding of the meaning of Primary Health Care and the Alma Ata Declaration. • They must show the correct understanding of challenges facing health care systems • They must be able to correctly assess and compare different health systems in both the developed and developing countries. • They must correctly understand the migration to the National Health system.				
Assessment Methods	Assignment, Presentation, Assessment, test, Seminar Discussion, Examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		45%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**		**Paper 2**	**Paper 3**
	Theory / Practical	Theory	Oral		
	Duration	3 hours	I hour		
	% of Exam Mark	90%	10%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY				**School:** DENTISTRY		
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNB01					
Module Code: (4 alphabetic & 3 numeric)	MDBF190					
Module Name:	PRINCIPLES OF EPIDEMIOLOGY					
Content:	Design strategies in epidemiology; statistical association; cause and effect relationships; measures of disease frequency and association; types of study designs; description and analysis of epidemiological data; validity and threats to study designs					
Learning Outcomes	• Understand, describe measures of disease occurrence (un and prevalence) • Understand disease and analyze statistical ammunition (cause and affect) and causality. • Understand, apply and implantation epidemiology study design appreciate					

	and consult for information of studies • Be familiar with various threats to validity and how to counts for these threats in design and analyze					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	36		7		090305	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		FULLTIME		Y	
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
			2	1		
Pre-requisite modules for this module:						
Co-requisites modules for module:						
Assessment Criteria	The candidates must be able to correctly: • Describe the measurements used in epidemiology • perform measurements of different diseases of the oro-facial region. • Analyze survey results • identify and avoid pitfalls in epidemiological research.					
Assessment Methods	Assignment, Presentation, Assessment, test, Seminar Discussion					

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		45%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	Oral		
	Duration	3 hours	I hour		
	% of Exam Mark	90%	10%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY				**School:** DENTISTRY		
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNB01					
Module Code: (4 alphabetic & 3 numeric)	MDBG190					
Module Name:	APPLIED STATISTICS					
Content:	• Interact, plan and analyse data for elective student's research projects • Evaluate and advice graduate and independent researchers on the methodological and statistical aspects of their projects					

	• Independently support and assist a staff masters research project in medical dental and related sciences, to completion
Learning Outcomes	• Understand the theoretical, understanding of Biostatistics • Be familiar with various statistical techniques • Integrate and apply statistical knowledge to resolve public health problems • Interact, plan analyze data (own projects, BDS V electives, MDS/MDent and other school)

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	36	7	090305

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FULL TIME	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1		2	1	

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria	• Demonstrating ability, understanding and knowledge of concepts, theory of biostatistics through written assignments, evaluated oral presentation and seminar discussion. • Successfully manage and plan, and analyze data from the projects, electives and for all other researchers' projects within the school.
Assessment Methods	Assignment, Presentation, Assessment, test, Seminar Discussion, Examination

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		45%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral		
	Duration	3 hours	I hour		
	% of Exam Mark	90%	10%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNB01					
Module Code: (4 alphabetic & 3 numeric)	MDBH190					

Module Name:	HEALTH PROMOTION AND BEHAVIOUR CHANGE				
Content:	Defining behavior change, Behavioral change theories, Principles of behavior change Process of achieving effective behavior change, Developing strategies for effective behavior in oral health, Barriers to and stimulators of behavior change				
Learning Outcomes	SPECIFIC OUTCOME1: • To comprehend behaviour change and its principles • To critique and apply behaviour change theory and principles as a purpose of health promotion SPECIFIC OUTCOME 2: • To understand the principles of behaviour change and their application SPECIFIC OUTCOME 3: • To be able to develop strategies for behaviour and overcoming barriers and stimulators to these				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	36		7		090305
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			2	1	
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria	The candidate must correctly demonstrate: • Understanding behaviour change and its principles • Using the theoretical knowledge of behaviour change and show ability to apply it the programmes developed • Developing strategies for behaviour change and be able to overcome barriers to behaviour change				
Assessment Methods	Assignment, Presentation, Assessment, test, Seminar Discussion, Examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		45%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	Oral		
	Duration	3 hours	I hour		
	% of Exam Mark	90%	10		
	Sub minimum	50%	50		

MODULAR INFORMATION	
Department: COMMUNITY DENTISTRY	**School:** DENTISTRY

Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNB01					

Module Code: (4 alphabetic & 3 numeric)	MDBI190
Module Name:	COMMUNITY DENTISTRY
Content:	Public Health & Dental Public Health and its principles, Epidemiology and Biostatics, Health and Determinants of Health, Health Promotion, Health Policy, Health Systems and Primary health care, Programme Development and evaluation, Research Methodology and presenting a research Report as a dissertation, Academic and Field Placements
Learning Outcomes	SPECIFIC OUTCOME 1: To understand the Principles of Dental Public Health SPECIFIC OUTCOME 2:To be able to critique the predominant biomedical approach to health and health care delivery form the Public Health understanding SPECIFIC OUTCOME 3: To comprehend epidemiology and evidence based dentistry SPECIFIC OUTCOME 4:To appraise health and health promotion and behaviour change SPECIFIC OUTCOME 5:To evaluate and develop health policy SPECIFIC OUTCOME 6:To understand health systems and their development globally and locally and contribute to their development

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	316	7	090305

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FULL TIME	Y

Periods per year cycle	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	10	30	7.5 (40 min)	15(40min)	Y

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria	• Demonstrating knowledge of the principles of Public Health and Dental Public Health • Critique the biomedical model of health and health care as a Specialists in Community Dentistry • Demonstrating competency in epidemiology, biostatistics and research methods • Competency in Health policy development and analysis • Competency in health promotion programme development and evaluation • Demonstrating understanding Health Care Systems, their development and assessment
Assessment Methods	Assignment, Presentation, Assessment, test, Seminar Discussion

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		45%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Theory	Oral		
	Duration	3 hours	30 min		
	% of Exam Mark	85%	15%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY				**School:** DENTISTRY		
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNB01					

Module Code: (4 alphabetic & 3 numeric)	MDBA090			
Module Name:	COMMUNITY DENTISTRY MINI DISSERTATION			
Content:	Research topics will come from all disciplinary areas of dentistry and public health. The module content includes: • Defining a research problem, aims and objectives • Writing a literature review • Preparing a research protocol • Implementing a research project • Preparing a written research report • Presenting the research findings • Preparing research findings for publication			
Learning Outcomes	By the end of this module, the student will know the following: • How to perform literature search • How to select and craft a research topic • How to develop a research protocol and use references • How to write a research report (dissertation) • How to write a manuscript for publication			
Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**	
	180	8	090305	
Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**	
	SMU	FULL TIME	Y	

Hours per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
					10

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria	A research report in the format of a scientific article in format suitable for publication in a relevant scientific journal
Assessment Methods	Mini-dissertation.

Mark structure	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Mini dissertation			
	Duration				
	% of Exam Mark	100%			
	Sub minimum	50%			

M DENT (MAXILLOFACIAL & ORAL SURGERY): MDNC01

MODULAR INFORMATION						
Department: ANATOMY			**School:** MEDICINE			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to qualification/s:	MDNC01	MDNE01	MDNA01	MDNF01	MDND01	MDNE02

Module Code: (4 alphabetic & 3 numeric)	MAND190
Module Name:	ANATOMY for M DENT
Content:	Tutorials/discussions on The basic embryology and embryology of head and neck The skull and cranio-mandibular articulation The gross anatomy of head and neck The brain and related Anatomy, including cranial nerves, spinal cord and tracts.
Learning Outcomes:	The student must be able to describe and identify where necessary, *in detail* the following topics: • Embryological development of the head, neck and nervous system • Bones of the vault and base of the skull, face and jaws, and the hyoid and cervical vertebrae • Structural design of cranial articulations, posture and movement, functional disturbance and dislocation of the joints • Cutaneous nerve supply of the face and skull • Blood supply of the head and neck • Venous and lymphatic drainage of the head and neck, and the clinical significance • Triangles of the neck • Thyroid and Parathyroid glands • Fascia of the neck, facial spaces and spread of infection • Parotid area and facial muscle • Temporal and infratemporal regions • Tongue and the floor of the mouth

	• Salivary glands, taste and salivation • Pharynx and larynx • Palate, nose and Paranasal sinuses • Orbit and its content • Ear and the auditory tube • Autonomic nerve supply to the head and neck and related ganglia. • Meninges and venous sinuses, Blood supply of the brain and ventricular system • Cerebral hemispheres, basal nuclei and functional areas • Diencephalon • Brainstem, the division and nuclei of relevant cranial nerves • Cerebellum • Cranial nerves with reference to central nuclei components, course, distribution and injury

Module Information:	**SAQA Credits**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	20	7	130402

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	Full_ Time	Year

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1		2

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria	The student will demonstrate specialist knowledge to enable engagement with and critique of current research and practices and advanced scholarship in the anatomy of the head and neck.
Assessment Methods:	Written exam paper Oral examination

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral	N/A	N/A
	Duration	3 hours	30 min	N/A	N/A
	% contribution to Summative Assessment Mark	50	50	N/A	N/A
	Sub minimum	50%	50%	N/A	N/A

MODULAR INFORMATION

Department:	Physiology			**School:**	Medicine		
Last Revision date:	2019			**First Year Offered (New):**		2015	
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNC01	MDNA01		MDND01	MDNE01	MDNF01	

Module Code: (4 alphabetic & 3 numeric)	MPLC190
Module Name:	PHYSIOLOGY for M DENT
Content:	Physiology seminars on capita selected appropriate for dentistry General physiology of homeostasis, basic nerve and muscle physiology, overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics
Learning Outcomes	The student should demonstrate an understanding of the general physiology and relevant pathophysiology of excitable tissues and an overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics with special relevance to dentistry

Module Information:	**SAQA Credits**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	20	7	130801

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	Fulltime	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1		2

Pre-requisite modules for this module:	0
Co-requisites modules for module:	0
Assessment Criteria	The student will; • Demonstrate specialist knowledge to enable engagement with and critique of current research and practices, and advanced scholarship and research in applied physiology relevant to Maxillofacial and Oral Surgery • Make sound judgments using data and information to their disposal and communicate their conclusions clearly to specialist and non-specialist audiences in applied physiology relevant to the practice of Maxillofacial and Oral Surgery
Assessment Methods	Written Paper and Oral Examination • The student must obtain a written mark equal to or above 45% to qualify for an oral examination

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%

	Minimum final mark to pass (%)			50%	
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral	N/A	N/A
	Duration	3 hours	30 minutes	N/A	N/A
	% contribution to Summative Assessment Mark	50%	50%	N/A	N/A
	Sub minimum	45%	50%	N/A	N/A

MODULAR INFORMATION							
Department: ANATOMICAL PATHOLOGY AND FORENSIC PATHOLOGY						**School:** School of Medicine	
Last Revision date: 2020				**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No				**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNC01						

Module Code: (4 alphabetic & 3 numeric)	MDCA190				
Module Name:	PRINCIPLES OF GENERAL PATHOLOGY				
Content:	General and Systematic Pathology				
Learning Outcomes	The student will know and understand general pathology and relevant systemic manifestations of disease likely to be encountered in dental practice. There is emphasis on aetiology, pathogenesis pathology (both macroscopic and microscopic) and complications of systemic diseases.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	20		7		130899
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	0	0	1		4
Pre-requisite modules for this module:					
Co-requisites modules for module:	.				
Assessment Criteria	• Demonstrating specialist knowledge sufficient to a dental specialist practice in maxillofacial oral surgery • Diagnosing pathological conditions at the macroscopic and microscopic level				
Assessment Methods	Written Paper , seminars				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		n/a
	Final mark =	% Formative Assessment Mark	n/a
		% Summative Assessment Mark	100%

	Minimum final mark to pass (%)			50%	
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral		
	Duration	3 hours	30 minutes		
	% of Exam Mark	50%	50%		
	Sub minimum	50%	50%		

MODULAR INFORMATION							
Department:	General Surgery				**School:**	MEDICINE	
Last Revision date:	2019				**First Year Offered (New):**	2015	
Replace this Module existing module(s)?	No				**If YES, give the module codes:**		
Module linked to Qualification/s:	MASTER OF MEDICINE IN SURGERY AND THE SURGICAL SPECIALTIES	MDNC01					
Module Code: (4 alphabetic & 3 numeric)	MDCB190						
Module Name:	GENERAL PRINCIPLES OF SURGERY (INTERMEDIATE)						
Content:	Pre-Operative Care: Surgical nutrition; Fluid and electrolyte therapy; Blood transfusions and its hazards; Infection and antimicrobial agents; Diagnostic aids - clinical chemistry; Acute management of the injured patient Intra-Operative Care: Aseptic and antiseptic techniques; Hazards and precautions in operating theatres; Electrical safety and hazards; Radiation effects and hazards; Wound healing and care of the wound; Perioperative management of diabetes mellitus/patient on steroid therapy Normal and Postoperative Care and Complications: Convalescence: Shock; Cardiac problems; Acid-base metabolism; Respiratory support and mechanical ventilation; Adult respiratory distress syndrome; Deep vein thrombosis and pulmonary embolism; Haemostatic disorders; Multiple organ failure; Postoperative care of infants and children; Neurosurgery, ENT and Ocular Emergencies: Head and cervical spine injuries; Coma; Foreign bodies in the eye nose and throat; Infection of the throat; Tracheostomy; Plastic Surgery and Orthopaedic Surgery: Principles of treatment of wounds; Osteomyelitis; Management of patients with burns; General principle of orthopaedics						
Learning Outcomes:	Student should demonstrate proficiency, understanding and knowledge of the Principles of general surgery, with emphasis on critical care						
Module Information:	**SAQA Credits**		**ITS Course Level**		**CESM Code (3rd Order)**		
	60		7		090723		
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**		
	SMU		Fulltime		2 years		
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**		
		8	1	1	4		
Pre-requisite modules for this module:							

Co-requisites modules for module:						
Assessment Criteria			Demonstration of competence in the early recognition, evaluation and care of the sick patient and apply the general principles of surgery correctly.			
Assessment Methods:			**Formative** Daily ward rounds and morning tutorials, seminar presentations, Radiology meetings; Preparation of patient for surgical operation in theatre; Undergraduate teaching and training **Summative** Written & Oral examinations			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%			
	Final mark =	% Formative Assessment Mark	60%			
		% Summative Assessment Mark	40%			
	Minimum final mark to pass (%)		50%			
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**	
	Theory / Practical	Theory	Oral			
	Duration	3 hour	20 min			
	% contribution to Summative Assessment Mark	50%	50%			
	Sub minimum	50%	50%			

MODULAR INFORMATION						
Department: ORAL AND MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2020			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNC01					
Module Code: (4 alphabetic & 3 numeric)	MMXB190					
Module Name:	ORAL PATHOLOGY					
Content:	Applied Oral Pathology: with particular reference to Maxillofacial and Oral Surgery					
Learning Outcomes:	After successful completion of the course candidates will be adequately equipped to diagnose, explain the pathogenesis and broad principles of management of oro-facial diseases.					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order**	
	20		7		090304	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		FT		Y	
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	

			1	1	6
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	At the end of the module competence in the above learning outcomes will be demonstrated when the candidate demonstrates the ability to diagnose and refer to the appropriate medical specialist for management of oral soft tissue and bony pathology correctly.				
Assessment Methods:	Written, Practical and Oral exam				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		n/a
	Final mark =	% Formative Assessment Mark	0
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	Oral	PRACTICAL	
	Duration	3 hrs	50 mins	~~1hr~~ 3hrs	
	% of Exam Mark	60%	30%	10%	
	Sub minimum	50%	50%	50%	

MODULAR INFORMATION						
Department: MAXILLOFACIAL SURGERY			**School:** DENTISTRY			
Last Revision date: 2020			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNC01					

Module Code:(4 alphabetic & 3 numeric)	MDCC190
Module Name:	MAXILLOFACIAL AND ORAL SURGERY
Content:	**Diagnostic imaging and evaluation for facial structures:** via Intra-oral radiographic evaluation, Facial imaging with standard radiographs, CT scan, cone-beam imaging and MRI , sialogram, ultrasound, Cephalometric analysis for orthognathic and pre-prosthodontic cases; Minor oral and dento-alveolar surgery; Soft and hard tissue surgery Intra and extra oral surgical approaches and flaps; Pre-prosthodontic surgery and Implantology; Cranio-facial traumatology; Cranio-facial, orthognathic surgery and aesthetic facial surgery; Clinical aspects and management pathological conditions of maxillo-facial, oral and neck regions; Facial pain and temporomandibular joint management Management of cleft lip and palate deformities; Harvesting of autogenic intra- and extra oral tissue; Treatment of haemorrhage; (local, haemorrhage dyscrasias and ligation of maxillary artery: Current and new developments in Maxillo-Facial and Oral Surgery
Learning Outcomes	By the end of the teaching program the student will be able to; • Diagnose, treat and manage patients with maxillofacial trauma, deep facial infections, Oral pathology with or without the need for consultation

	with the Neurosurgeon/General Surgeon, ENT surgeon etc • Plan diagnose and treat patients requiring orthognathic surgery in consultation with the orthodontist • Plan, diagnose and treat patients requiring preprosthetic surgical procedures in consultation with the Prosthodontist • Plan diagnose and treat patients requiring cleft surgery in consultation with the Plastic surgeon • Plan diagnose and treat patients requiring removal of impacted teeth • Keep abreast with the latest developments in the field of Maxillofacial and Oral Surgery					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	532		8		090308	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		FT		Y	
Periods per week: Over 5 years	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
		8	2	1	4	
Pre-requisite modules for this module:						
Co-requisites modules for module:	MDCA090					
Assessment Criteria	Correctly: • Diagnosing, treating, managing patients with maxillofacial trauma, infection and pathology • Diagnosing and treating patients with Orthognathic conditions • Treating patients with facial cranio-facial cleft deformities					
Assessment Methods	Seminars, case books, portfolios, journal discussions, **practicals**, written and oral examination ~~**and OSCE s**~~					
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A			
	Final mark =	% Formative Assessment Mark	N/A			
		% Summative Assessment Mark	100%			
	Minimum final mark to pass (%)		50%			

Summative Assessment Paper:		**Paper 1**	**Paper 2**	~~***Paper 3***~~	**Paper 4 3**
	Theory / Practical	Theory 1*	Theory 2*	~~***OSCE***~~	Oral
	Duration	3 hours	3 hours	~~***1 hour***~~	30 minutes
	% of Exam Mark	~~**25%**~~ **(35%)**	~~**25%**~~ **(35%)**	~~***25%***~~	~~**25%**~~ **(30%)**
	Sub minimum	50%	50%	~~***50%***~~	50%

***Note:**
Two theory papers make it possible to cover a broader area of scope of practice of the Maxillofacial surgeon than is afforded by a single theory paper. In addition this adequately prepares the candidate for the fellowship examinations with the Colleges of Medicine FCMFOS(SA)

MODULAR INFORMATION			
Department:	MAXILLOFACIAL & ORAL SURGERY, ORAL & MAXILLOFACIAL PATHOLOGY, MAXILLOFACIAL ORAL RADIOLOGY AND	**School:**	DENTISTRY

ORTHODONTICS						
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNC01					
Migration Strategy: No			(If YES, IP05 must also be completed)			

Module Code: (4 alphabetic & 3 numeric)	MDCA090				
Module Name:	MINI DISSERTATION (MAXILLOFACIAL & ORAL SURGERY)				
Content:	A candidate will conduct research on an approved topic, culminating in the production of a mini-dissertation. Production of an article to be suitable for publication in an accredited journal.				
Learning Outcomes:	By the end of this module, the student will know the following: • How to perform literature search • How to select and craft a research topic • How to develop a research protocol and use references • How to write a research report (dissertation) • How to write a manuscript for publication				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	180		8		090308
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y – 1-4TH year
Periods per week:	**Classes**	**Classes**	**Classes**	**Classes**	**Classes**
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	Assessed through the production of the research report following conducting an approved study as an independent researcher. Competency in the above learning outcomes will be demonstrated by the candidate • planning and conducting a study following the selection of an appropriate research design, method(s), techniques and technologies for the specific research problem • Identifying relevant research questions to solve a problem • Critically reviewing the associated literature and investigations • Analyzing relevant data derived to demonstrate an understanding of the findings • Developing and producing a research report to demonstrate critical and coherent discussion of theoretical arguments, research processes, methodology, and extrapolation of findings to justify conclusions drawn and recommendations put forward				
Assessment Methods:	Submission of a research report that is assessed by internal and external assessors. A manuscript deemed by the supervisor to be suitable for acceptance by a DHET accredited journal, with the candidate as the primary author; or a manuscript in a DHET accredited journal				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final	% Formative Assessment Mark	

	mark =	% Summative Assessment Mark	100
	Minimum final mark to pass (%)		50

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Mini dissertation			
	Duration				
	% of Exam Mark	100			
	Sub minimum	50			

M DENT (ORAL PATHOLOGY): MDND01

MODULAR INFORMATION						
Department:	Microbiology			School:	Medicine	
Last Revision date:	2015		First Year Offered (New):	2015		
Replace this Module existing module(s)?	No		If YES, give the module codes:			
Module linked to Qualification/s:	MDND01					

Module Code: (4 alphabetic & 3 numeric)	MMMA190
Module Name:	Molecular Biology
Content:	Nucleic acids; genetic material; DNA replication; transcription; translation; DNA technology and genetic engineering; bio-informatics; regulation in prokaryotes and eukaryotes; lytic and lysogenic phages; mutations; plasmids; transposable elements; eukaryotic and tumour viruses
Learning Outcomes	Specific Outcome 1: • Understand, describe and identify the fundamentals and the key principles of molecular biology; Specific Outcome 2: • Understand, describe and apply molecular biology principles in the laboratory • Be familiar with basic techniques for understanding various contemporary areas of research such as DNA manipulation, sequencing, cloning, subcloning, library construction, screening, RNA and DNA isolation and characterization, analysis of expression, cDNA synthesis (RT-PCR) and analysis, microarrays and gene chips, and Real-Time-PCR. • Understanding of techniques that are currently being utilized in the biotechnology and pharmaceutical industries. Specific Outcome 3: • Be familiar with various bioinformatics problems, master the computational techniques for biological sequence analysis and understand the latest advances in bioinformatics

Module Information:	SAQA Credits	ITS Course Level	CESM Code (3rd Order)
	20	7	130301
Delivery Information:	Campus	Full/Part Time	Period (Year/1st/2ndSem)
	SMU	Full-time	Year

Periods per week:	Classes	Practicals	Tutorial	Seminars	Independent Learning
	3 hrs	3 hrs			2 hrs
Pre-requisite modules for this module:	N/A				
Co-requisites modules for module:	N/A				
Assessment Criteria	Specific Outcome 1: • Competence in outcome 1 will be demonstrated if the student shows an ability to correlate information and concepts learned through written assignments and orals assessments Specific Outcome 2: • Can use basic theoretical knowledge and show ability to apply this to specific molecular laboratory assays • Be able to demonstrate practical experience in specimen processing, testing and interpretation of results using molecular methods • Be able to apply various procedures such as cloning, and isolating DNA, detecting recombinant DNA molecules, amplification techniques, electrophoresis, sequencing and the role of restriction enzymes in molecular biology. • Are capable of critically understanding the specific scientific literature and theory at the appropriate level Specific Outcome 3: • Have understanding of bioinformatics methods, BLAST searches, standard tools and data bases, and essential vocabulary.				
Assessment Methods:	Students submit written assignments on each topic, three class tests, two written examinations and an oral examination in the presence of an external examiner				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	50%
		% Summative Assessment Mark	50%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		Paper 1	Paper 2	Paper 3	Paper 4
	Theory / Practical	Theory	Oral		
	Duration	6 hours	20 minutes		
	% contribution to Summative Assessment Mark	90%	10%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: ANATOMY			**School:** MEDICINE			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to qualification/s:	MDNC01	MDNE01	MDNA01	MDNF01	MDND01	MDNE02

Module Code: (4 alphabetic & 3 numeric)	MAND190		
Module Name:	ANATOMY for M DENT		
Content:	Tutorials/discussions on The basic embryology and embryology of head and neck The skull and cranio-mandibular articulation The gross anatomy of head and neck The brain and related Anatomy, including cranial nerves, spinal cord and tracts.		
Learning Outcomes:	The student will be able to describe and identify where necessary, *in detail*, the gross anatomy of: • the abdominal cavity and its contents • the thoracic cavity and its contents • Central nervous system • Embryological development of the head, neck and nervous system • Bones of the vault and base of the skull, face and jaws, and the hyoid and cervical vertebrae • Structural design of cranial articulations, posture and movement, functional disturbance and dislocation of the joints • Cutaneous nerve supply of the face and skull • Blood supply of the head and neck • Venous and lymphatic drainage of the head and neck, and the clinical significance • Triangles of the neck • Thyroid and Parathyroid glands • Fascia of the neck, facial spaces and spread of infection • Parotid area and facial muscle • Temporal and infratemporal regions • Tongue and the floor of the mouth • Salivary glands, taste and salivation • Pharynx and larynx • Palate, nose and Paranasal sinuses • Orbit and its content • Ear and the auditory tube • Autonomic nerve supply to the head and neck and related ganglia. • Meninges and venous sinuses, Blood supply of the brain and ventricular system • Cerebral hemispheres, basal nuclei and functional areas • Diencephalon • Brainstem, the division and nuclei of relevant cranial nerves • Cerebellum • Cranial nerves with reference to central nuclei components, course, distribution and injury Microscopic anatomy of: • Liver • kidney • spleen • lymphnode • lung • brain • pancreas • prostate • ovary • gastro-intestinal tract • respiratory tract		
Module Information:	**SAQA Credits**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**

	20		7		130402
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		Full_ Time		Year
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			2		
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria	The student must answer correctly questions *in detail*, and identify in viva voce, on the following topics: • Anatomy of the abdominal cavity • Anatomy of the thoracic cavity • Anatomy of the central nervous system • Histology of the organs in the abdominal and thoracic cavities and nervous system. • Embryology of the head and neck and the abnormalities • Bones of the vault and base of the skull, face and jaws, and the hyoid and cervical vertebrae • Embryology, structural design and movements of the temporomandibular joint • Development of the tongue, palate and pharynx, their innervation, blood supply and lymphatic drainage • Blood supply, venous return and lymphatic drainage of the head and neck • Fascia spaces and spread of infection • The parotid bed, temporal and infratemporal region • Formation of Cranial nerves (CN III, V, VII, IX, X, XI and XII) in the brainstem, their nuclei components, course, distribution and injury • Thalamus as the gateway to cortex and the associated tracts. Type of questions: long questions (20 marks each)				
Assessment Methods:	Written exam paper Oral – The student must obtain a written mark equal or above 45% to qualify for an oral examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	Oral	N/A	N/A
	Duration	3 hours	30 min	N/A	N/A
	% contribution to Summative Assessment Mark	50	50	N/A	N/A

	Sub minimum	50%	50%	N/A	N/A

MODULAR INFORMATION							
Department:	Physiology			**School:**	Medicine		
Last Revision date:	2015			**First Year Offered (New):**		2015	
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNC01	MDNA01	MDND01	MDNE01	MDNF01	MDNE02	

Module Code: (4 alphabetic & 3 numeric)	MPLC190				
Module Name:	PHYSIOLOGY for M DENT				
Content:	Physiology seminars on capita selected appropriate for dentistry General physiology of homeostasis, basic nerve and muscle physiology, overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics				
Learning Outcomes	The student should demonstrate an understanding of the general physiology and relevant pathophysiology of excitable tissues and an overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics with special relevance to dentistry				
Module Information:	**SAQA Credits**		**ITS Course Level**		**CESM Code (3rd Order) (Six Numbers)**
	20		7		130801
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		Fulltime		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1		2
Pre-requisite modules for this module:	0				
Co-requisites modules for module:	0				
Assessment Criteria	The student will; • Demonstrate specialist knowledge to enable engagement with and critique of current research and practices, and advanced scholarship and research in applied physiology relevant to Maxillofacial and Oral Surgery • Make sound judgments using data and information to their disposal and communicate their conclusions clearly to specialist and non-specialist audiences in applied physiology relevant to the practice of Maxillofacial and Oral Surgery				
Assessment Methods	Written Paper and Oral Examination • The student must obtain a written mark equal to or above 45% to qualify for an oral examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral	N/A	N/A
	Duration	3 hours	30 minutes	N/A	N/A
	% contribution to Summative Assessment Mark	50%	50%	N/A	N/A
	Sub minimum	45%	50%	N/A	N/A

MODULAR INFORMATION						
Department: ANATOMICAL PATHOLOGY AND FORENSIC PATHOLOGY					**School:** MEDICINE	
Last Revision date: 2012			**First Year Offered (New):** 2013			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDND01					

Module Code: (4 alphabetic & 3 numeric)	MDDA190				
Module Name:	ANATOMICAL PATHOLOGY				
Content:	General and Systematic Pathology				
Learning Outcomes:	The student should demonstrate an understanding of the general pathology and relevant systemic manifestations of disease likely to be encountered in dental practice. There is emphasis on aetiology, pathogenesis pathology (both macroscopic and microscopic) and complications. A student spend a period of at least 22months full time in an Anatomical Pathology unit and present a portfolio of at least 25 autopsies personally performed.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	100		7		130899
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		Full Time		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	0	5	3	1	15 hours
Pre-requisite modules for this module:	0				
Co-requisites modules for module:	0				
Assessment Criteria:	* The student will demonstrate specialist knowledge sufficient to a dental specialist practice. * The student will make diagnosis at the macroscopic and microscopic level of examination for commonly encountered pathologic conditions in dental specialist practice.				

Assessment Methods:			Written Paper			
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)				N/A	
	Final mark =	% Formative Assessment Mark			N/A	
		% Summative Assessment Mark			100%	
	Minimum final mark to pass (%)				50%	

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	Practical	Oral	
	Duration	3 hrs	2 hrs	45 mins	
	% of Exam Mark	60%	20%	20%	
	Sub minimum	50%	75%	50%	

MODULAR INFORMATION						
Department: ORAL AND MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2020			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDND01					

Module Code: (4 alphabetic & 3 numeric)	MMXL190				
Module Name:	ORAL PATHOLOGY				
Content:	Applied Oral Pathology: Detailed study of the clinical and microscopic manifestation of diseases that manifest in the oral cavity. Detailed understanding of the etiology, epidemiology and complications of these diseases. Detailed knowledge of the techniques available in the laboratory to diagnose disease on microscopical sections				
Learning Outcomes:	Be competent in the clinical and microscopic assessment of diseases affecting the orofacial region.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	600		7		090304
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y

Periods per week	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	0	15	6	9	30

Pre-requisite modules for this module:	0
Co-requisites modules for module:	0
Assessment Criteria:	The correct diagnosing of diseases affecting the orofacial region.
Assessment Methods:	Written. Practical and Oral exam, research report

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	Theory	Practical	Oral
	Duration	3 hrs	3 hrs	3 hrs	1 hr
	% of Exam Mark	30%	20%	30%	20%
	Sub minimum	50%	50%	70%	n/a

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDND01					

Module Code: (4 alphabetic & 3 numeric)	MDDA090				
Module Name:	MINI DISSERTATION				
Content:	A candidate will conduct research on an approved topic, culminating in the production of a mini-dissertation. Production of an article to be suitable for publication in an accredited journal.				
Learning Outcomes:	By the end of this module, the student will know the following: • How to perform literature search • How to select and craft a research topic • How to develop a research protocol and use references • How to write a research report (dissertation) • How to write a manuscript for publication				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	180		8		090309
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		Full Time		10

Periods per week: (Over 5 years)	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1		
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	Assessed through the production of the research report following conducting an approved study as an independent researcher. Competency in the above learning outcomes will be demonstrated by the candidate • planning and conducting a study following the selection of an appropriate				

	research design, method(s), techniques and technologies for the specific research problem • Identifying relevant research questions to solve a problem • Critically reviewing the associated literature and investigations • Analyzing relevant data derived to demonstrate an understanding of the findings • Developing and producing a research report to demonstrate critical and coherent discussion of theoretical arguments, research processes, methodology, and extrapolation of findings to justify conclusions drawn and recommendations put forward					
Assessment Methods:	Submission of a research report that is assessed by internal and external assessors as well as production of an article from the study for publication in a SAPSE approved journal					
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)			N/A		
	Final mark =	% Formative Assessment Mark		N/A		
		% Summative Assessment Mark		100%		
	Minimum final mark to pass (%)			50%		
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**	
	Theory / Practical	Mini-Dissertation				
	Duration	n.a.				
	% of Exam Mark	100%				
	Sub minimum	50%				

M DENT (ORTHDONTICS): MDNE02

MODULAR INFORMATION						
Department: ORTHODONTICS			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2018			
Replace this Module existing module(s)?		**No**	**If YES, give the module codes: .**			
Module linked to Qualification/s:		MDNE02				
Module Code: (4 alphabetic & 3 numeric)	MDFA191					
Module Name:	APPLIED MAXILLO-FACIAL SURGERY IN ORTHODONTICS					
Content:	Attendance of seminars, discussion groups with feedback and report writing on cases that involve orthodontics and oral surgery.					
Learning Outcomes:	By the end of the module, the candidate will have an increased understanding of the role orthodontists play in interdisciplinary aspects of treatment planning and management of patients with combined surgical and orthodontic problems.					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	8		7		090309	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	

	SMU		FT		2S (3RD Year)
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
				1	
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	The candidate will demonstrate specialist knowledge to enable engagement with and critique of current research and practices and advanced scholarship in both disciplines (Maxillofacial and oral Surgery and Orthodontics)				
Assessment Methods:	Integrated assessment through interdisciplinary treatment planning discussions. Written exam				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Seminars			
	Duration	N/A			
	% of Exam Mark	100%			
	Sub minimum	50			

MODULAR INFORMATION						
Department: PROSTHODONTICS			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2018			
Replace this Module existing module(s)? **No**			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNE02					

Module Code: (4 alphabetic & 3 numeric)	MDFB191		
Module Name:	APPLIED PROSTHODONTICS IN ORTHODONTICS		
Content:	Attendance of seminars, discussion groups with feedback and report writing on cases that involve orthodontics and prosthodontics.		
Learning Outcomes:	By the end of the module, the candidate will have an increased understanding of the role prosthodontics plays in interdisciplinary aspects of treatment planning and management of patients with respect to the need for orthodontic repositioning as adjunctive therapy; including the procedures that will assist both disciplines in effecting appropriate therapy outcome for the patient.		
Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	8	7	090309
Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**

	SMU		FT		S1 – 3rd year
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
				1	
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	The candidate will demonstrate problem solving techniques drawing on his/her multi-faceted knowledge to manage complex orthodontic problems requiring prosthodontic intervention and an increased understanding of the procedures that will assist both disciplines in effecting appropriate outcome for the patient				
Assessment Methods:	Integrated assessment through interdisciplinary treatment planning discussions. Written exam				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Seminars			
	Duration	N/A			
	% of Exam Mark	100			
	Sub minimum	50			

MODULAR INFORMATION						
Department: ORAL MEDICINE & PERIODONTOLOGY			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2018			
Replace this Module existing module(s)?		**No**	**If YES, give the module codes:**			
Module linked to Qualification/s:		MDNE02				

Module Code: (4 alphabetic & 3 numeric)	MDFC191		
Module Name:	APPLIED PERIODONTOLOGY IN ORTHODONTICS		
Content:	Attendance of seminars, discussion groups with feedback and report writing on cases that involve orthodontics and periodontics and oral medicine. Interdisciplinary aspects of treatment planning and management of orthodontic patients.		
Learning Outcomes:	By the end of the module, the candidate will have an increased understanding of the role periodontics and oral medicine play in interdisciplinary aspects of treatment planning and management of orthodontic patients.		
Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	8	7	090309
Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**

	SMU		FT		S1 2nd year
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
				1	
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	The candidate will demonstrate 1. specialist knowledge to enable engagement with and critique of current research and practices and advanced scholarship in both disciplines (Periodontics and oral medicine and Orthodontics) 2. problem solving techniques drawing on his/her multi-faceted knowledge to manage complex orthodontic problems requiring periodontic intervention 3. an increased understanding of the procedures that will assist both disciplines in effecting appropriate outcome for the patient				
Assessment Methods:	Integrated assessment through interdisciplinary treatment planning discussions. Written exam				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Seminars			
	Duration	N/A			
	% of Exam Mark	100%			
	Sub minimum	50			

MODULAR INFORMATION						
Department: ORTHDONTICS			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2018			
Replace this Module existing module(s)?		**No**	**If YES, give the module codes:**			
Module linked to Qualification/s:		MDNE02				

Module Code: (4 alphabetic & 3 numeric)	MDFG191		
Module Name:	APPLIED PSYCHOLOGY IN ORTHODONTICS		
Content:	Attendance of seminars, discussion groups with feedback and report writing on cases that involves psychology and orthodontics		
Learning Outcomes:	By the end of the module, the candidate will have an increased understanding of the role psychology play in interdisciplinary aspects of treatment planning and management of orthodontic patients.		
Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	8	7	090309

Delivery Information:	Campus	Full/Part Time	Period (1st/2ndSem)
	SMU	FT	S2 2ND YEAR

Periods per week:	Classes	Practicals	Tutorial	Seminars	Independent Learning
				1	

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria:	The candidate will demonstrate • specialist knowledge to enable engagement with and critique of current research and practices and advanced scholarship in both disciplines (Psychology and Orthodontics) • problem solving techniques drawing on his/her multi-faceted knowledge to manage complex orthodontic problems requiring psychological intervention • an increased understanding of the procedures that will assist both disciplines in effecting appropriate outcome for the patient
Assessment Methods:	Integrated assessment through interdisciplinary treatment planning discussions. Written exam

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		Paper 1	Paper 2	Paper 3	Paper 4
	Theory / Practical	Seminars			
	Duration	N/A			
	% of Exam Mark	100%			
	Sub minimum	50			

MODULAR INFORMATION						
Department: ANATOMY			**School:** MEDICINE			
Last Revision date: 2021			**First Year Offered (New):** 2018			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:		MDNE02				

Module Code: (4 alphabetic & 3 numeric)	MAND191
Module Name:	ANATOMY FOR M DENT (ORTHODONTICS stream)
Content:	Tutorials/discussions on The basic embryology and embryology of head and neck The Skull and cranio-mandibular articulation The gross anatomy of head and neck The brain and related Anatomy, including cranial nerves, spinal cord and tracts.
Learning Outcomes:	The student must be able to describe and identify where necessary, *in detail*, the following topics:

<table>
<tr><td></td><td colspan="5">

Embryological development of the head, neck and nervous system
Bones of the vault and base of the skull, face and jaws, and the hyoid and cervical vertebrae
Structural design of cranial articulations, posture and movement, functional disturbance and dislocation of the joints
Cutaneous nerve supply of the face and skull
Blood supply of the head and neck
Venous and lymphatic drainage of the head and neck, and the clinical significance
Triangles of the neck
Thyroid and Parathyroid glands
Fascia of the neck, facial spaces and spread of infection
Parotid area and facial muscle
Temporal and infratemporal regions
Tongue and the floor of the mouth
Salivary glands, taste and salivation
Pharynx and larynx
Palate, nose and Paranasal sinuses
Orbit and its content
Ear and the auditory tube
Autonomic nerve supply to the head and neck and related ganglia.
Meninges and venous sinuses, Blood supply of the brain and ventricular system
Cerebral hemispheres, basal nuclei and functional areas
Diencephalon
Brainstem, the division and nuclei of relevant cranial nerves
Cerebellum
Cranial nerves with reference to central nuclei components, course, distribution and injury

</td></tr>
<tr><td rowspan="2">Module Information:</td><td>SAQA Credits</td><td>ITS Course Level</td><td colspan="3">CESM Code (3rd Order) (Six Numbers)</td></tr>
<tr><td>20</td><td>7</td><td colspan="3">130402</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td>Campus</td><td>Full/Part Time</td><td colspan="3">Period (Year/1st/2ndSem)</td></tr>
<tr><td>SMU</td><td>Full Time</td><td colspan="3">S1 1ST YEAR</td></tr>
<tr><td rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td>2</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td>Assessment Criteria</td><td colspan="5">
The student must be able to answer questions in detail, and identify in viva voce, on the following topics:

Embryology of the head and neck and the abnormalities
Bones of the vault and base of the skull, face and jaws, and the hyoid and cervical vertebrae
Embryology, structural design and movements of the temporomandibular joint
Development of the tongue, palate and pharynx, their innervation, blood supply and lymphatic drainage
Blood supply, venous return and lymphatic drainage of the head and neck
Fascia spaces and spread of infection
The parotid bed, temporal and infratemporal region
Formation of Cranial nerves (CN III, V, VII, IX, X, XI and XII) in the brainstem,

</td></tr>
</table>

	their nuclei components, course, distribution and injury • Thalamus as the gateway to cortex and the associated tracts. Type of questions: long questions (20 marks each)
Assessment Methods:	Written exam paper Oral

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Written + Oral			
	Duration	3 hrs + 30 min			
	% contribution to Summative Assessment Mark	100			
	Sub minimum	50%			

MODULAR INFORMATION							
Department:	Physiology			**School:**	Medicine		
Last Revision date:	2021			**First Year Offered (New):**		2018	
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNE02						

Module Code: (4 alphabetic & 3 numeric)	MPLC191
Module Name:	PHYSIOLOGY for M DENT
Content:	Physiology seminars on capita selected appropriate for dentistry General physiology of homeostasis, basic nerve and muscle physiology, overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics
Learning Outcomes	The student should demonstrate an understanding of the general physiology and relevant pathophysiology of excitable tissues and an overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics with special relevance to dentistry

Module Information:	**SAQA Credits**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	20	7	130801

Delivery Information:	Campus	Full/Part Time	Period (Year/1st/2ndSem)
	SMU	Fulltime	S1 1st year

Periods per week:	Classes	Practicals	Tutorial	Seminars	Independent Learning
			1		2

Pre-requisite modules for this module:	0
Co-requisites modules for module:	0
Assessment Criteria	The student will; • Demonstrate specialist knowledge to enable engagement with and critique of current research and practices, and advanced scholarship and research in applied physiology relevant to Maxillofacial and Oral Surgery • Make sound judgments using data and information to their disposal and communicate their conclusions clearly to specialist and non-specialist audiences in applied physiology relevant to the practice of Maxillofacial and Oral Surgery
Assessment Methods	Written Paper and Oral Examination • The student must obtain a written mark equal to or above 45% to qualify for an oral examination

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Theory + Oral			
	Duration	3 hours + 30 mins			
	% contribution to Summative Assessment Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department: ORAL & MAXILLOFAICAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2018			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNE01	MDNC01	MDNA01	MDNE02		

Module Code: (4 alphabetic & 3 numeric)	MDGB191
Module Name:	APPLIED ORAL PATHOLOGY
Content:	• Introduction to applied oral pathology • Osteomyelitis • Bacterial, fungal and viral infections of the oral mucosa • White lesions of the oral mucosa

	• Oral cancer • Skin lesions manifesting in the oral cavity (including auto-immune and vesiculobullous diseases) • Geriatric oral changes • Gingival and periodontal pathology • Cysts and odontogenic tumours of the head and neck • Pathology of bone and bone marrow • Pathology of salivary glands • Pathology of the HIV-seropositive patient • Soft tissue pathology of the head and neck • Pathology of the lymphoreticular system of the head and neck Oral manifestations of systemic disease
Learning Outcomes:	After completion of the course candidates should be able to have a clear understanding of the physiology and pathology of oral lesions. Candidates must be able to classify, diagnose and manage lesions within their scope of speciality.

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	20	7	090304

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FT	S2 2ND YEAR

Periods per week: (FOR 3 Years)	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1 hr	2 hrs	6 hrs

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria:	Students must be able to correctly diagnose and explain the pathogenesis, complications and broad principles of oral and facial diseases and abnormalities.
Assessment Methods:	Written. OSCE and Oral exam

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		n/a
	Final mark =	% Formative Assessment Mark	0
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral		
	Duration	3 hrs	45		
	% of Exam Mark	70%	30%		
	Sub minimum	50%	50%		

MODULAR INFORMATION			
Department:	**ORTHODONTICS**	**School:**	DENTISTRY
Last Revision date:	2021	**First Year Offered (New):**	2018

Replace this Module existing module(s)?	No	**If YES, give the module codes:**				
Module linked to Qualification/s:		MDNE02				

Module Code: (4 alphabetic & 3 numeric)	MDFH191
Module Name:	ORTHODONTICS (Clinical practice and theory)
Content:	This involves all aspects of orthodontics, including basic orthodontic principles, methods and materials, as well as clinical experience and training in all relevant aspects
Learning Outcomes:	By the end of this module, the student will know the following: Diagnosis, treatment planning and management of all forms of malocclusions, using removable and fixed appliances. Diagnosis, treatment planning and interdisciplinary management of syndromic cases

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	416	7	090309

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	Full	Y – 4th year

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
		4	1	1	Y

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria:	Competence in the above learning outcomes will be assessed through the candidate's ability to: • Diagnose, compile a treatment plan and successfully manage and evaluate all forms of malocclusions, using removable and fixed appliances • Diagnose, compile a treatment plan and successfully manage and evaluate interdisciplinary and syndromic cases using removable and fixed appliances
Assessment Methods:	Clinical case studies, assignments, seminars, tests, written, oral and clinical examination

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		50%
	Final mark =	% Formative Assessment Mark	50%
		% Summative Assessment Mark	50%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
		Written/Oral	Clinical Cases	Oral	
	Duration	3 hrs + 30 mns	N/A	30 mins	
	% of Exam Mark	100%	50%	5% positive modifier	
	Sub minimum	50%	50%	5% positive modifier	

MODULAR INFORMATION

Department: **ORTHODONTICS**				**School:** DENTISTRY			
Last Revision date: 2021				**First Year Offered (New):** 2018			
Replace this Module existing module(s)? No				**If YES, give the module codes:**			
Module linked to Qualification/s:		MDNE02					

Module Code: (4 alphabetic & 3 numeric)	MDFA091				
Module Name:	MINI DISSERTATION IN ORTHODONTICS				
Content:	A candidate will conduct research on an approved topic, culminating in the production of a mini-dissertation. Production of an article to be suitable for publication in an accredited journal.				
Learning Outcomes:	By the end of this module, the student will know the following: • How to perform literature search • How to select and craft a research topic • How to develop a research protocol and use references • How to write a research report (dissertation) • How to write a manuscript for publication				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	180		8		090309
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y – 1-4TH year
Periods per week: (Over 4 years)	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	Assessed through the production of the research report following conducting an approved study as an independent researcher. Competency in the above learning outcomes will be demonstrated by the candidate • planning and conducting a study following the selection of an appropriate research design, method(s), techniques and technologies for the specific research problem • Identifying relevant research questions to solve a problem • Critically reviewing the associated literature and investigations • Analyzing relevant data derived to demonstrate an understanding of the findings • Developing and producing a research report to demonstrate critical and coherent discussion of theoretical arguments, research processes, methodology, and extrapolation of findings to justify conclusions drawn and recommendations put forward				
Assessment Methods:	Submission of a research report that is assessed by internal and external assessors. A manuscript deemed by the supervisor to be suitable for acceptance by a DHET accredited journal, with the candidate as the primary author; or a manuscript in a DHET accredited journal				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%

	Minimum final mark to pass (%)			50%	
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Mini-Dissertation			
	Duration	n.a.			
	% of Exam Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2018			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:		MDNE02				

Module Code: (4 alphabetic & 3 numeric)	MMXJ191				
Module Name:	ORAL BIOLOGY				
Content:	Applied Oral Biology with emphasis on the understanding of basic oral anatomy and oral physiology as well as detailed knowledge of oral changes that occur during ageing.				
Learning Outcomes:	After completion of the course candidates should be able to describe the anatomy of the oral and perioral regions, understand the role of oral fluids in the prevention of disease and explain the changes that take place in the oral cavity during ageing.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	20		7		090304
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FULL T		Y
Periods per week: FOR 1 YEAR	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1 hour	3 hours	Y
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	The student must be able to describe correctly the normal anatomy of the peri oral regions and understand the role of oral fluids in the prevention of diseases and explain the changes that take place in the oral cavity in the aging patient..				
Assessment Methods:	Written and Oral exam:				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Theory	Oral		
	Duration	3 hrs	45 mins		
	% of Exam Mark	80%	20%		
	Sub minimum	50%	50%		

M DENT (PERIODONTOLOGY & ORAL MEDICINE): MDNA01

MODULAR INFORMATION						
Department: **Anatomy**			**School:** **Medicine**			
Last Revision date: **2015**			**First Year Offered (New):** **2015**			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	**MDNA01**					

Module Code: (4 alphabetic & 3 numeric)	MAND190
Module Name:	Anatomy for M DENT (Periodontology and Oral Medicine stream)
Content:	The oral cavity and its immediate vicinity are the working fields of the specialist in dental disciplines; it is not unreasonable to expect students to acquire a detailed knowledge, to the level of the expert of anatomy in these areas. The purpose of the lectures and discussions is to assist the students to acquire the necessary expertise in anatomy in the areas of greatest importance.
Learning outcomes	The student must be able to describe and identify, where necessary, in detail the following topics and their relevance to the speciality. • Embryological development of the head, neck and nervous system • Bones of the vault and the base of the skull, face and jaws, the hyoid and the cervical vertebrae. • Structural design of cranial articulations, functional disturbance and dislocation of joints • Cutaneous nerve supply of the face and skull • Blood supply of the head and neck • Venous and lymphatic drainage of the head and neck and the clinical significance • Triangles of the neck • Thyroid and parathyroid glands • Fascia of the neck, facial spaces and spread of infection. • Parotid area and facial muscle. • Temporal and infratemporal regions • Tongue and the floor of the mouth • Salivary glands, taste and salivation. • Pharynx and larynx • Palate, nose and paranasal sinuses • Orbit and it's content • Ear and the auditory tube • Autonomic nerve supply to the head and neck and related ganglia. • Meninges and venous sinuses, blood supply to the brain and ventricular system

<table>
<tr><td colspan="2"></td><td colspan="5">• Cerebral hemispheres, basal nuclei and functional areas
• Cerebellum
Cranial nerves with reference to central nuclei components, course, distribution an injury</td></tr>
<tr><td colspan="2" rowspan="2">Module Information:</td><td>SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td colspan="2">CESM Code (3rd Order)</td></tr>
<tr><td>20</td><td colspan="2">7</td><td colspan="2">130402</td></tr>
<tr><td colspan="2" rowspan="2">Delivery Information:</td><td>Campus</td><td colspan="2">Full/Part Time</td><td colspan="2">Period (1st/2ndSem)</td></tr>
<tr><td>SMU</td><td colspan="2">Full-time</td><td colspan="2">1 Year</td></tr>
<tr><td colspan="2" rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td></td><td></td><td>1</td><td></td><td></td></tr>
<tr><td colspan="2">Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
<tr><td colspan="2">Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td colspan="2">Assessment Criteria</td><td colspan="5">The student must demonstrate specialist knowledge in the following fields of anatomy:
• Craniofacial embryology
• Osteology of the head and neck
• Nerve supply to the head and neck
• Venous drainage of the head and neck and clinical significance
• Fascia of the neck
• Triangles and midline structures of the head and neck
• Blood supply of the head and neck
• Cranial nerves
• Facial nerves and spread of infection
• Parotid area and infratemporal regions
• Tongue and floor of the mouth
• Palate
• Nose and paranasal sinuses
• Nose, orbit, thyroid and parathyrois glands

The student must be able to apply the theoretic knowledge in daily clinical practice.</td></tr>
<tr><td colspan="2">Assessment Method</td><td colspan="5">Written paper</td></tr>
<tr><td rowspan="4">Mark Structure:</td><td colspan="2">Min Form Assess Mark for exam admission (%)</td><td colspan="5">N/a</td></tr>
<tr><td rowspan="2">Final mark =</td><td>% Form Assess Mark</td><td colspan="5"></td></tr>
<tr><td>% Summ Assess Mark</td><td colspan="5">100%</td></tr>
<tr><td colspan="2">Min final mark to pass (%)</td><td colspan="5">50%</td></tr>
<tr><td rowspan="4">Summative Assessment Paper:</td><td></td><td>Paper 1</td><td>Paper 2</td><td>Paper 3</td><td colspan="2">Paper 4</td></tr>
<tr><td>Theory / Practical</td><td>theory</td><td></td><td></td><td colspan="2"></td></tr>
<tr><td>Duration</td><td>3 hours</td><td></td><td></td><td colspan="2"></td></tr>
<tr><td>Sub minimum</td><td>50%</td><td></td><td></td><td colspan="2"></td></tr>
</table>

MODULAR INFORMATION

Department: HUMAN PHYSIOLOGY					**School:** MEDICINE	
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	**MDNB01**	**MDNC01**	**MDND01**	**MDNE01**	**MDNF01**	

Module Code: (4 alphabetic & 3 numeric)	MPLC190
Module Name:	PHYSIOLOGY for M DENT
Content:	Physiology seminars on capita selected appropriate for dentistry General physiology of homeostasis, basic nerve and muscle physiology, overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics
Learning outcomes	The student should demonstrate an understanding of the general physiology and relevant pathophysiology of excitable tissues and an overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics with special relevance to dentistry

Module Information:	**SAQA Credits**	**ITS Course Level**	**CESM Code (3rd Order) (Six Numbers)**
	20	7	130801

Delivery Information:	**Campus**	**Full/Part Time**	**Period (Year/1st/2ndSem)**
	SMU	Fulltime	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1		2

Pre-requisite modules for this module:	0
Co-requisites modules for module:	0
Assessment Criteria	The student will; • Demonstrate specialist knowledge to enable engagement with and critique of current research and practices, and advanced scholarship and research in applied physiology relevant to Periodontology and Oral Medicine • Make sound judgments using data and information to their disposal and communicate their conclusions clearly to specialist and non-specialist audiences in applied physiology relevant to the practice of Periodontology and Oral Medicine
Assessment Methods	Written Paper and Oral Examination The student must obtain a written mark equal to or above 45% to qualify for an oral examination

Mark Structure:			
	Min Form Assess Mark for exam admission (%)		N/a
	Final	% Form Assess Mark	Na

	mark =	% Summ Assess Mark	100%
	Min final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	written	Oral		
	Duration	3 hours	30 min.		
	% contribution to summative mark	50%	50%		
	Sub minimum	45%	50%		

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: **2015**			**First Year Offered (New):** **2015**			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	**MDNA01**					

Module Code: (4 alphabetic & 3 numeric)	MDAB190
Module Name:	Applied Oral Biology
Content:	Oral Biology applied to structure and function of teeth, attachment apparatus, mucosa and saliva
Learning outcomes	• Introduction to molecular medicine: organization of human genome, chromosomes and genes; transcriptional control of gene expression, the cell cycle, oncogenes and tumor suppressor genes • Anatomy of the periodontium • Mechanisms of hormone action • The ultrastructure of the oral epithelium • The biochemical features of oral epithelium • Cell renewal in oral epithelia • Permeability of the oral mucosa • Non-keratinocytes in oral epithelium • Epithelial – connective tissue relationships, development and maintenance of structure • The biochemistry and physiology of the periodontal connective tissues • Form and function of the periodontal ligament • Biochemistry and physiology of alveolar bone • Biochemistry and physiology of cementum • Aspects of mastication and swallowing • Taste buds and taste • Saliva – its secretion, composition and function • Orofacial pain: physiology • Gingival crevicular fluid • Aging of oral tissues • Cell biology of the periodontal wound healing

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	20	7	090304

Delivery Information:	Campus	Full/Part Time	Period (1st/2ndSem)
	SMU	Full-time	y

Periods per week:	Classes	Practicals	Tutorial	Seminars	Independent Learning
			1		

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment criteria	The student should demonstrate an understanding of the functional properties of the : oral epithelium, periodontal ligament, cementum alveolar bone; of basic concepts of molecular medicine and of hormone action; of epithelial – connective tissue interactions; of aspects of mastication, swallowing and taste; and of saliva and gingival crevicular fluid; the student should also be able to describe normal healing processes and pain pathways, as well be able to provide a detailed clinical and microscopic description of the structures in the oral cavity as well as functional parameters and the influence of structure on oral health.
Assessment methods	Written and oral exam

Mark Structure:			
	Min Form Assess Mark for exam admission (%)		N/a
	Final mark =	% Form Assess Mark	Na
		% Summ Assess Mark	100%
	Min final mark to pass (%)		50%

Summative Assessment Paper:		Paper 1	Paper 2	Paper 3	Paper 4
	Theory / Practical	Theory	oral		
	Duration	3 hours	1hour		
	% of exam mark	60%	40%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: ANATOMICAL PATHOLOGY AND FORENSIC PATHOLOGY				**School:** **Medicine**		
Last Revision date: **2015**			**First Year Offered (New):** **2015**			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	**MDNTA01**					

Module Code: (4 alphabetic & 3 numeric)	MDAA190
Module Name:	**Principles of General Pathology**
Content:	• Introduction to pathology • Cellular adaptations, cell injury and cell death • Acute and chronic inflammation • Tissue renewal repair: regeneration, healing and fibrosis • Hemodynamic disorders: , thromboembolic disease and shock • Genetic disorders

	• Diseases of the immunity • Neoplasia • Infectious diseases Environmental and nutritional pathology				
Learning outcomes	The student should demonstrate an understanding of the general pathology and relevant systemic manifestations of disease likely to be encountered in dental practice. There is emphasis on etiology, pathogenesis (both macroscopic and microscopic) and complications				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	20		7		130810
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		Full-time		1 Year
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1		
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria	At the end of the module, the student must have a clear understanding and be able to apply the following in their field of speciality: • Cell physiology and pathology • Inflammation • Hemodynamic disorders • Genetic disorders • Diseases of the immunity • Neoplasia • Infectious diseases • Environmental and nutritional aptholog u The student must be able to understand the physiology and identify, and treat within their capacity the pathology.				
Assessment Methods	Written paper				

Mark Structure:	Min Form Assess Mark for exam admission (%)		N/a
	Final mark =	% Form Assess Mark	
		% Summ Assess Mark	100%
	Min final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	written			
	Duration	3 hours			
	% of examination mark	90%			
	Sub minimum	50%			

MODULAR INFORMATION			
Department:	ORAL & MAXILLOFACIAL PATHOLOGY	**School:**	DENTISTRY

Last Revision date: 2012			**First Year Offered (New):** 2013			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNE01	MDNC01	MDNA01			
Module Code: (4 alphabetic & 3 numeric)	MMXA190					
Module Name:	APPLIED ORAL PATHOLOGY					
Content:	• Introduction to applied oral pathology • Osteomyelitis • Bacterial, fungal and viral infections of the oral mucosa • White lesions of the oral mucosa • Oral cancer • Skin lesions manifesting in the oral cavity (including auto-immune and vesiculobullous diseases) • Geriatric oral changes • Gingival and periodontal pathology • Cysts and odontogenic tumours of the head and neck • Pathology of bone and bone marrow • Pathology of salivary glands • Pathology of the HIV-seropositive patient • Soft tissue pathology of the head and neck • Pathology of the lymphoreticular system of the head and neck Oral manifestations of systemic disease						
Learning Outcomes:	After completion of the course candidates should be able to have a clear understanding of the physiology and pathology of oral lesions. Candidates must be able to classify, diagnose and manage lesions within their scope of specialty.					

Module Information:	**SAQA CREDITS**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	20	7	090304

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FT	Y

Periods per week: (FOR 3 Years)	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1 hr	2 hrs	6 hrs

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria:	Students must be able to correctly diagnose and explain the pathogenewsis, complications and broad principles of oral and facial diseases and abnormalities
Assessment Methods:	Written. OSCE and Oral exam

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		n/a
	Final mark =	% Formative Assessment Mark	0
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral	OSCE	

	Duration	3 hrs	45 min	1hr	
	% of Exam Mark	70%	20%	10	
	Sub minimum	50%	50%	50%	

MODULAR INFORMATION							
Department: ORAL MEDICINE & PERIODONTOLOGY			**School:** DENTISTRY				
Last Revision date: 2015			**First Year Offered (New):** 2015				
Replace this Module existing module(s)? No			**If YES, give the module codes:**				
Module linked to Qualification/s:	**MDNTA01**						

Module Code: (4 alphabetic & 3 numeric)	MDAC190				
Module Name:	PERIODONTOLOGY AND ORAL MEDICINE				
Content:	Periodontology: The branch of dental sciences which deals with the study of the periodontium and various diseases related to it, with prevention, diagnoses and treatment of these diseases and with placement and maintenance of implants Oral Medicine: An in depth study of the prevention, diagnosis and treatment of those of diseases of local and systemic origin (including dermatological and hematological) affecting the oral and adjacent tissues which are treated pharmacotherapeutically, or by minor oral surgery.				
Learning outcomes	At the end of the course, candidates must be able to diagnose and manage diseases, disorders and anomalies that affect the periodontium and oral soft tissues, as well as oral and peri-oral manefestations of systemic diseases according to evidence based pratices; and to interact with other dental and medica specialists to enhance successful therapy . At the end of the course the specialist in periodontology and Oral Medicine must be able to perform periodontal and implant surgery according to evidence based practices with a multidisciplinary approach to reconstruct or rehabilitate the dentition, to partially edentulous and edentulous patients and to embark on meaningful innovative research in his field o expertise.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	472		7		090311
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		Full-time		4 Years
Periods per week: (4 Years)	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
		7x (3hours)	1	1	Y
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment criteria	Competency in the above learning outcomes will be assessed through thee candidate demonstrating • Sound specialist knowledge to enable engagement with and critique of current research and practices and advanced scholarship in the discipline • Problem solving techniques drawing on his/her multi-faceted knowledge to manage complex periodontic and oral medicine problems. • Evidence based knowledge to evaluate outcomes of periodontology and				

			oral Medicine.
Assessment Methods			2 written papers and oral exam
Mark Structure:	Min Form Assess Mark for exam admission (%)		N/a
	Final mark =	% Form Assess Mark	Na
		% Summ Assess Mark	100%
	Min final mark to pass (%)		50%

		Paper 1 (Periodontology)	**Paper 2 (Oral Medicine)**	Paper 3)	**Paper 4**
Summative Assessment Paper:	Theory / Practical	written	written		
	Duration	3 hours	3 hours		
	% of exam mark	50%	50%		
	Sub minimum	50%			

MODULAR INFORMATION						
Department: ORAL MEDICINE & PERIODONTOLOGY					**School: DENTISTRY**	
Last Revision date: 2015			**First Year Offered (New): 2015**			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	**MDNTA01**					

Module Code: (4 alphabetic & 3 numeric)	MDAA090				
Module Name:	MINI DISSERTATION: PERIODONTOLOGY AND ORAL MEDICINE.				
Content:	A research based minor dissertation, governed by the General rules of the University, registration with REPC, supervision and external assessors as described under the General rules of the University and A manuscript deemed by the supervisor to be suitable for acceptance and publication by a SAPSE accredited journal, with the candidate as the primary author. A bound copy of the paper, together with a certificate from the supervisor deeming the paper to be suitable for publication, must be submitted to the university before the degree will be awarded.				
Learning outcomes	The candidate should complete a relevant research study and write a report suitable for publication in a SAPSE accredited journal, demonstrating an understanding of research methodology principles.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	180		8		090311
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		Full-time		4 Years

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	n/a	n/a	n/a	n/a	n/a
Pre-requisite modules for this module:					

Co-requisites modules for module:	
Assessment criteria	Assessed through the production of a research report, in the field of Periodontics and Oral Medicine, following conducting an approved study as an independent researcher. Competency in the above learning outcomes will be demonstrated by the candidate. • Planning and conducting a study following the selection of an appropriate research design, method(s), techniques and technologies for the specific research problem • Identifying relevant research questions to solve the problem • Critically reviewing the associated literature and investigations • Analyzing relevant data derived to demonstrate an understanding of the findings • Developing and producing a research report to demonstrate critical and coherent discussion of theoretical arguments, research processes, methodology and extrapolation of findings to justify conclusions drawn and recommendations put forward.
Assessment methods	Submission of a research report that is assessed by internal and external assessors as well as production of an article from the study for publication in a SAPSE approved journal.

Mark Structure:	Min Form Assess Mark for exam admission (%)		N/a
	Final mark =	% Form Assess Mark	100%
		% Summ Assess Mark	N/a
	Min final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Written report			
	Duration	n/a			
	Sub minimum	50%			

M DENT (PROSTHODONTICS): MDNF01

MODULAR INFORMATION						
Department: ANATOMY			**School:** MEDICINE			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNF01					

Module Code: (4 alphabetic & 3 numeric)	MAND190
Module Name:	ANATOMY FOR M DENT (PROSTHODONTICS stream)
Content:	Tutorials/discussions on The basic embryology and embryology of head and neck The Skull and cranio-mandibular articulation The gross anatomy of head and neck The brain and related Anatomy, including cranial nerves, spinal cord and tracts.
Learning Outcomes:	The student must be able to describe and identify where necessary, *in detail*, the following topics:

<table>
<tr><td></td><td colspan="5">

Embryological development of the head, neck and nervous system
Bones of the vault and base of the skull, face and jaws, and the hyoid and cervical vertebrae
Structural design of cranial articulations, posture and movement, functional disturbance and dislocation of the joints
Cutaneous nerve supply of the face and skull
Blood supply of the head and neck
Venous and lymphatic drainage of the head and neck, and the clinical significance
Triangles of the neck
Thyroid and Parathyroid glands
Fascia of the neck, facial spaces and spread of infection
Parotid area and facial muscle
Temporal and infratemporal regions
Tongue and the floor of the mouth
Salivary glands, taste and salivation
Pharynx and larynx
Palate, nose and Paranasal sinuses
Orbit and its content
Ear and the auditory tube
Autonomic nerve supply to the head and neck and related ganglia.
Meninges and venous sinuses, Blood supply of the brain and ventricular system
Cerebral hemispheres, basal nuclei and functional areas
Diencephalon
Brainstem, the division and nuclei of relevant cranial nerves
Cerebellum
Cranial nerves with reference to central nuclei components, course, distribution and injury

</td></tr>
<tr><td rowspan="2">Module Information:</td><td>SAQA Credits</td><td>ITS Course Level</td><td colspan="3">CESM Code (3rd Order) (Six Numbers)</td></tr>
<tr><td>20</td><td>7</td><td colspan="3">130402</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td>Campus</td><td>Full/Part Time</td><td colspan="3">Period (Year/1st/2ndSem)</td></tr>
<tr><td>SMU</td><td>Full_ Time</td><td colspan="3">Year</td></tr>
<tr><td rowspan="2">Periods per week: (75 minutes) FOR 1 YEAR</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td></td><td></td><td>1</td><td></td><td>Y</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td>Assessment Criteria</td><td colspan="5">
The student must be able to answer questions in detail, and identify in viva voce, on the following topics:

Embryology of the head and neck and the abnormalities
Bones of the vault and base of the skull, face and jaws, and the hyoid and cervical vertebrae
Embryology, structural design and movements of the temporomandibular joint
Development of the tongue, palate and pharynx, their innervation, blood supply and lymphatic drainage
Blood supply, venous return and lymphatic drainage of the head and neck
Fascia spaces and spread of infection
The parotid bed, temporal and infratemporal region

</td></tr>
</table>

		• Formation of Cranial nerves (CN III, V, VII, IX, X, XI and XII) in the brainstem, their nuclei components, course, distribution and injury • Thalamus as the gateway to cortex and the associated tracts.				
Assessment Methods:		Written and Oral Examination				
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)					
	Final mark =	% Formative Assessment Mark				
		% Summative Assessment Mark				100%
	Minimum final mark to pass (%)					50%
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**	
	Theory / Practical	Theory	Oral	N/A	N/A	
	Duration	3 hours	30 min	N/A	N/A	
	% contribution to Summative Assessment Mark	50	50	N/A	N/A	
	Sub minimum	45%	50%	N/A	N/A	

MODULAR INFORMATION							
Department:	Physiology			**School:**	MEDICINE		
Last Revision date:	2019			**First Year Offered (New):**		2015	
Replace this Module existing module(s)?	NO			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNF01	MDNA01	MDNC01	MDND01	MDNE01		
Module Code: (4 alphabetic & 3 numeric)	MPLC190						
Module Name:	PHYSIOLOGY for M DENT						
Content:	Physiology seminars on capita selected appropriate for dentistry General physiology of homeostasis, basic nerve and muscle physiology, overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics						
Learning Outcomes	The student should demonstrate an understanding of the general physiology and relevant pathophysiology of excitable tissues and an overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics with special relevance to dentistry						
Module Information:	**SAQA Credits**		**ITS Course Level**		**CESM Code (3rd Order) (Six Numbers)**		
	20		7		130801		
Delivery Information:	**Campus**		**Full/Part Time**		**Period**		

					(Year/1st/2ndSem)
	SMU		Fulltime		Y
Periods per week: FOR 1 YEAR	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			1		Y
Pre-requisite modules for this module:	0				
Co-requisites modules for module:	0				
Assessment Criteria	The student will; • Demonstrate specialist knowledge to enable engagement with and critique of current research and practices, and advanced scholarship and research in applied physiology relevant to Maxillofacial and Oral Surgery • Make sound judgments using data and information to their disposal and communicate their conclusions clearly to specialist and non-specialist audiences in applied physiology relevant to the practice of Maxillofacial and Oral Surgery				
Assessment Methods	Written Paper and Oral Examination The student must obtain a written mark equal to or above 45% to qualify for an oral examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	Oral	N/A	N/A
	Duration	3 hours	30 minutes	N/A	N/A
	% contribution to Summative Assessment Mark	50%	50%	N/A	N/A
	Sub minimum	45%	50%	N/A	N/A

MODULAR INFORMATION						
Department: ORAL& MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNF01					
Module Code: (4 alphabetic & 3 numeric)	MDGA190					
Module Name:	ORAL BIOLOGY					
Content:	Applied Oral Biology with emphasis on the understanding of basic oral anatomy and oral physiology as well as detailed knowledge of oral changes that occur during ageing.					
Learning Outcomes:	After completion of the course candidates should be able to describe the anatomy of the oral and perioral regions, understand the role of oral fluids in the					

	prevention of disease and explain the changes that take place in the oral cavity during ageing.					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	20		7		090304	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		FULL T		Y	
Periods per week: FOR 1 YEAR	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
			1 hour	3 hours	Y	
Pre-requisite modules for this module:						
Co-requisites modules for module:						
Assessment Criteria:	The student must be able to describe correctly the normal anatomy of the peri oral regions and understand the role of oral fluids in the prevention of diseases and explain the changes that take place in the oral cavity in the aging patient..					
Assessment Methods:	Written and Oral exam:					

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral		
	Duration	3 hrs	45 min		
	% of Exam Mark	80%	20%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNF01					
Module Code: (4 alphabetic & 3 numeric)	MDGB190					
Module Name:	ORAL PATHOLOGY					
Content:	Applied Oral Pathology: with particular reference to diseases that affect the elderly (geriatric oral pathology)					
Learning Outcomes:	After completion of the course candidates should be able to relate age changes in the oral tissues to the manifestation of oral disease. They must also be able to explain the appearances, symptoms and principles of management of oral diseases in elderly patient.					

Module Information:	SAQA Credits	ITS Course Level Code	CESM Code (3rd Order)
	20	7	090304
Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FT	Y

Periods per week: FOR 1 YEAR	Classes	Practicals	Tutorial	Seminars	Independent Learning
			1	2	Y

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria:	At the end of the module competence in the above learning outcomes will be demonstrated when the candidate • understands age related changes as encountered during the provision of prosthodontic treatment. • demonstrates the ability to diagnose and refer to the appropriate medical specialist for management of oral soft tissue and bony pathology
Assessment Methods:	Written. OSCE and Oral exam

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		n/a
	Final mark =	% Formative Assessment Mark	0
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		Paper 1	Paper 2	Paper 3	Paper 4
	Theory / Practical	Theory	Oral		
	Duration	3 hrs	45 min		
	% of Exam Mark	70%	30%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNF01					

Module Code: (4 alphabetic & 3 numeric)	MDGC190
Module Name:	ORAL MICROBIOLOGY AND IMMUNOLOGY
Content:	Oral Microbiology and immunology with particular reference to infections encountered in Prosthodontic practice
Learning Outcomes:	After completion of the course candidates should be able to diagnose infective oral disease and explain the role of the immune system in the prevention thereof.

Module Information:	SAQA Credits	ITS Course Level Code	CESM Code (3rd Order)

	20		7		090304	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		FT		Y	
Periods per week: FOR 1 YEAR	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
			1			
Pre-requisite modules for this module:						
Co-requisites modules for module:						
ASSESSMENT:						
Assessment Criteria:	At the end of the module competence in the above learning outcomes will be demonstrated when the candidate demonstrates an increased knowledge of infections encountered in oral practice and is able to manage these during the provision of prosthodontic treatment					
Assessment Methods:	Written, OSCE and Oral exam					
Mark Structure: Minimum Form Assessment Mark for exam admission (%)	n/a					
Mark Structure: Final mark = % Formative Assessment Mark	n/a					
Mark Structure: Final mark = % Summative Assessment Mark	100%					
Mark Structure: Minimum final mark to pass (%)	50%					

Summative Assessment Paper:	**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
Theory / Practical	Theory	Practical	Oral	
Duration	3 hrs	1 hour	1 hour	
% of Exam Mark	50	20	30	
Sub minimum	50%	50%	50%	

MODULAR INFORMATION						
Department: PROSTHODONTICS			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNF01					
Module Code: (4 alphabetic & 3 numeric)	MDGD190					
Module Name:	PROSTHODONTICS I					
Content:	1. A range of comprehensive topics in the field to demonstrate expertise knowledge and acumen to be able to diagnose, plan, construct and render evidence-based, best practice in reconstructive/rehabilitative service to patients, including those with oro-facial defects 2. Engagement in multidisciplinary teaching and learning platforms with other disciplines, including but not limited to oral medicine, periodontology, oral and					

	maxillofacial surgery, orthodontics. 3. Clinical and technical knowledge and skills to manage a wide variety of cases requiring complex prosthodontics intervention
Learning Outcomes:	The candidate should demonstrate: 1. Competency in executing clinical decisions backed by sound evidence based knowledge to manage a wide variety of clinical cases 2. Skills and ability to demonstrate self - direction and independence in their learning 3. Critical and sound clinical reasoning skills to integrate knowledge between a broad range of clinical disciplines in the profession to manage multidisciplinary dental problems

Module Information: 2 Years	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order**
	228	7	090312

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FT	Y

Periods per week:	**Classes**	**Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**
		7	1	1	Y

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria:	Competency in the above learning outcome will be assessed through the candidate demonstrating: 1. Sound specialist knowledge to enable engagement with and critique of current research and practices and advanced scholarship in the discipline 2. problem solving techniques drawing on his/her multi-faceted knowledge to manage complex prosthodontics problems 3. evidence based knowledge to evaluate outcomes of prosthodontics interventions
Assessment Methods:	Integrated assessment through: 1. Formative – continuous supervision of consultants with expertise knowledge 2. Continuous - written seminar preparation and presentations 3. Summative – written paper

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory			
	Duration	3 hrs			
	% of Exam Mark	60%			
	Sub minimum	50%			

MODULAR INFORMATION	
Department: PROSTHODONTICS	**School:** DENTISTRY

Last Revision date: 2021			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNF01					

Module Code: (4 alphabetic & 3 numeric)	MDGE190
Module Name:	PROSTHODONTICS II
Content:	1. A range of comprehensive topics in the field to demonstrate increased expertise knowledge and acumen to be able to diagnose, plan, construct and render evidence-based, best practice in reconstructive/rehabilitative service to patients, including those with oro-facial defects 2. Increased engagement in multidisciplinary teaching and learning platforms with other disciplines, including but not limited to oral medicine, periodontology, oral and maxillofacial surgery, orthodontics. 3. Complex clinical and technical knowledge and skills to manage a wide variety of cases requiring complex prosthodontics intervention
Learning Outcomes:	The candidate should demonstrate: 1. Competency in clinical skills as a specialist level 2. Ability to evaluate and implement research findings in practice in the speciality discipline 3. Empathy, ethical, and skilled ability to conduct all aspects of specialist dental practice in relation to both the care of individuals and communities 4. Skills for self-directed learning, problem solving ability and critical clinical reasoning skills 5. Ability to evaluate prosthodontic intervention outcomes

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	228	7	090312

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FT	Y

Periods per week:	**Classes**	**Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**
		7	1	1	Y

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria:	At the end of the module competence in the above learning outcomes will be assessed through the candidate demonstrating 1. Increased specialist knowledge to enable engagement with and critique of current research and practices and advanced scholarship in the discipline to make evidence-based best practice clinical decisions when subject to an oral (viva voce) examination 2. Ability to apply problem solving techniques drawing on his/her multi-faceted knowledge to manage complex prosthodontics problems through the cases presented in the clinical portfolio 3. Improved knowledge to evaluate outcomes of prosthodontic interventions as demonstrated by work presented clinical portfolio and during an oral examination 4. appropriate affective skills to interact with patients, colleagues and other team members to render appropriate prosthodontic management assessed through evaluation of any relevant communication/documentation from various quarters (patients, colleagues, others)

Assessment Methods:			Integrated assessment through: 1. Formative – continuous supervision of consultants with expertise knowledge 2. Continuous - written seminar preparation and presentations 3. Summative assessment i) Clinical Portfolio ii) Case Presentations iii) Oral assessment
	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	CLINICAL - CASE PRESENTATIONS	CLINICAL - CLINICAL PORTFOLIO	ORAL	SEMINARS
	Duration	3 HOURS		1 HOUR	
	% of Exam Mark	20	30	20	30
	Sub minimum	50	50	50	50

MODULAR INFORMATION						
Department: PROSTHODONTICS			**School:** DENTISTRY			
Last Revision date: 2021			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNF01					

Module Code: (4 alphabetic & 3 numeric)	MDGA090
Module Name:	MINI DISSERTATION FOR PROSTHODONTICS
Content:	(a) A research based minor dissertation governed by the General Rules of the University registration with REPC, supervision and external assessors as described under the General Rules of the University; **and** (b) A manuscript deemed by the supervisor to be suitable for acceptance and publication by a SAPSE accredited journal, with the candidate as the primary author. A bound copy of the paper, together with a certificate from the supervisor deeming the paper to be suitable for publication, must be submitted to the University before the degree will be awarded.
Learning Outcomes:	The candidate should complete a relevant research study demonstrating an understanding of research methodology principles: including, but not limited to: literature search; selection and crafting a research topic; develop a research protocol; conduct the research study; write a scientific report; prepare a manuscript deemed suitable for publication

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**

	180		8		090312
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Clinicals**	**Tutorial**	**Seminars**	**Independent Learning**
			2		
Pre-requisite modules for this module:					
Co-requisites modules for module:	MDGD190; MGDE190				
Assessment Criteria:	Assessed through the production of the research report following conducting an approved study as an independent researcher. Competency in the above learning outcomes will be demonstrated by the candidate planning and conducting a study following the selection of an appropriate research design, method(s), techniques and technologies for the specific research problem Identifying relevant research questions to solve a problem Critically reviewing the associated literature and investigations Analyzing relevant data derived to demonstrate an understanding of the findings Developing and producing a research report to demonstrate critical and coherent discussion of theoretical arguments, research processes, methodology, and extrapolation of findings to justify conclusions drawn and recommendations put forward				
Assessment Methods:	Submission of a research report that is assessed by internal and external assessors as well as production of an article from the study for publication in a SAPSE approved journal				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Mini dissertation			
	Duration				
	% of Exam Mark	100%			
	Sub minimum	50%			

SECTION F: MODULAR INFORMATION REQUIRED							
Department:	ORAL PATHOLOGY/PROSTHODONTICS			**School:**	DENTISTRY		
Last Revision date:	2021			**First Year Offered (New):**	2019		
Replace this Module existing module(s)?	No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDNF01						
Module Code: (4 alphabetic & 3 numeric)	MEML191						

<table>
<tr><td>Module Name:</td><td colspan="5">Applied Ethics and Medical Law for M Dent</td></tr>
<tr><td>Content:</td><td colspan="5"><u>Unit 1: Ethical and legal aspects of healthcare</u>
This module provides in-depth knowledge pertaining to the ethical and legal aspects of healthcare. The topics covered in this module include:

• Overview of ethical concepts, theories and principles and codes of healthcare ethics
• Overview of health law and human rights
• Medical malpractice and professional negligence
• Professionalism in healthcare
• Informed consent
• Confidentiality
• Ethics in research and the use of human tissue

<u>Unit 2: Ethical aspects in Respective Specialty</u>

This module provides discipline specific application of legal and ethical theories/principles/codes in the field of Prosthodontics. The topics covered in this module include:

2.4 Prosthodontics
a. Ethics for management of complex prosthodontic cases – including, but not limited to maxillofacial prosthodontics
b. Informed consent for patients undergoing complex restorative and rehabilitative procedures
c. Appropriate and ethical referrals for patients requiring inter and multidisciplinary management
d. Scope and limitation of practice for the Prosthodontist
e. Ethical issues relating to treatment planning, costing of treatment; third party funders etc
f. Privacy and confidentially for the prosthodontic patient
g. Ethical case management in resource constrained environment
h. Ethical considerations for cases managed inappropriately during case planning, and referred for prosthodontic management – managing transfer cases
i. Ethics informing the clinical attending/management team
j. Ethical consideration for managing the dissatisfied patient</td></tr>
<tr><td>Learning Outcomes:</td><td colspan="5">At the end of the module students will be able to:
• Identify, analyse and evaluate ethical and legal issues that arise in oral healthcare provision and research within a sound ethical framework
• Apply ethical and legal knowledge to particular problems that may arise in healthcare provision and research</td></tr>
<tr><td rowspan="2">Module Information:</td><td>SAQA Credits</td><td colspan="2">ITS Course Level</td><td colspan="2">CESM Code (3rd Order) (Six Numbers)</td></tr>
<tr><td>8</td><td colspan="2"></td><td colspan="2">091901</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td>Campus</td><td colspan="2">Full/Part Time</td><td colspan="2">Period (Year/1st/2ndSem)</td></tr>
<tr><td>SMU</td><td colspan="2">Full Time</td><td colspan="2">Y</td></tr>
<tr><td rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td></td><td></td><td>1</td><td>1</td><td>Y</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5">None</td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5">None</td></tr>
</table>

Assessment Criteria:			The following assessment criteria are assessed in an integrated manner in the main discipline: • Identify, analyse and evaluate ethical and legal issues that arise in oral healthcare provision and research within a sound ethical framework • Apply ethical and legal knowledge to particular problems that may arise in healthcare provision and research • Demonstrate an awareness through actions or in writing of the moral, legal and ethical responsibilities involved in individual patient care and the provision of care to populations
Assessment methods			This module is assessed formatively through discipline specific and multidisciplinary. Integrated assessments are performed on a continuous basis and are incorporated and integrated in the main module through seminars, case discussions, treatment planning; case management; interdisciplinary discussions and various modalities reinforcing ethical understanding and practice.
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =		Formative Assessment - 100% (assignments; seminars, presentations (PBLs); multidisciplinary case discussions)
			Candidates to submit a Portfolio of the Work done during the module reflecting all seminars; discussions; presentations etc undertaken
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	N/A	N/A	N/A	N/A
	Duration				
	% contribution to Summative Assessment Mark				
	Sub minimum				

MASTER OF DENTAL SCIENCE BY COURSE WORK : MDS01

MODULAR INFORMATION						
Department: ANATOMY			**School:** MEDICINE			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:		MDS01				
Module Code: (4 alphabetic & 3 numeric)	MHAD190					
Module Name:	ANATOMY					
Content:	Tutorials/discussions on The basic embryology and embryology of head and neck The Skull and cranio-mandibular articulation The gross anatomy of head and neck The brain and related Anatomy, including cranial nerves, spinal cord and tracts.					
Learning Outcomes:	The student must be able to describe and identify where necessary, *in detail*, the					

<table>
<tr><td></td><td colspan="5">following topics:
• Embryological development of the head, neck and nervous system
• Bones of the vault and base of the skull, face and jaws, and the hyoid and cervical vertebrae
• Structural design of cranial articulations, posture and movement, functional disturbance and dislocation of the joints
• Cutaneous nerve supply of the face and skull
• Blood supply of the head and neck
• Venous and lymphatic drainage of the head and neck, and the clinical significance
• Triangles of the neck
• Thyroid and Parathyroid glands
• Fascia of the neck, facial spaces and spread of infection
• Parotid area and facial muscle
• Temporal and infratemporal regions
• Tongue and the floor of the mouth
• Salivary glands, taste and salivation
• Pharynx and larynx
• Palate, nose and Paranasal sinuses
• Orbit and its content
• Ear and the auditory tube
• Autonomic nerve supply to the head and neck and related ganglia.
• Meninges and venous sinuses, Blood supply of the brain and ventricular system
• Cerebral hemispheres, basal nuclei and functional areas
• Diencephalon
• Brainstem, the division and nuclei of relevant cranial nerves
• Cerebellum
• Cranial nerves with reference to central nuclei components, course, distribution and injury</td></tr>
<tr><td rowspan="2">Module Information:</td><td colspan="2">SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)</td><td>ITS Course Level</td><td colspan="2">CESM Code (3rd Order) (Six Numbers)</td></tr>
<tr><td colspan="2">20</td><td>7</td><td colspan="2">130402</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td>Full/Part Time</td><td colspan="2">Period (Year/1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td>Contact – Full_ Time</td><td colspan="2">Year</td></tr>
<tr><td rowspan="2">Periods per week: (75 minutes)</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td></td><td></td><td>1</td><td></td><td></td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td>Assessment Criteria</td><td colspan="5">The student must be able to answer questions in detail, and identify in viva voce, on the following topics:
• Embryology of the head and neck and the abnormalities
• Bones of the vault and base of the skull, face and jaws, and the hyoid and cervical vertebrae
• Embryology, structural design and movements of the temporomandibular joint
• Development of the tongue, palate and pharynx, their innervation, blood supply and lymphatic drainage
• Blood supply, venous return and lymphatic drainage of the head and neck
• Fascia spaces and spread of infection</td></tr>
</table>

	• The parotid bed, temporal and infratemporal region • Formation of Cranial nerves (CN III, V, VII, IX, X, XI and XII) in the brainstem, their nuclei components, course, distribution and injury • Thalamus as the gateway to cortex and the associated tracts.
Assessment Methods:	Type of questions: long questions (20 marks each) Written exam paper – 100 marks Oral – 100 marks • The student must obtain a written mark equal or above 45% to qualify for an oral examination

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		n/a
	Final mark =	% Formative Assessment Mark	n/a
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Theory	Oral	N/A	N/A
	Duration	3 hours	30 min	N/A	N/A
	% contribution to Summative Assessment Mark	50	50	N/A	N/A
	Sub minimum	40%	N/A	N/A	N/A

MODULAR INFORMATION						
Department:	Physiology		**School:**	Medicine		
Last Revision date:	2015		**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	No		**If YES, give the module codes:**			
Module linked to Qualification/s:		MDS01				

Module Code: (4 alphabetic & 3 numeric)	MAPB190
Module Name:	APPLIED PHYSIOLOGY
Content:	1. Physiology seminars on *capita selecta* appropriate for dentistry 2. General physiology of homeostasis, basic nerve and muscle physiology, overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics
Learning Outcomes	The student should demonstrate an understanding of the general physiology and relevant pathophysiology of excitable tissues and an overview of the nervous system with emphasis on pain and special senses, endocrine system with emphasis on calcium metabolism, growth and development, gastrointestinal system with emphasis on absorption of nutrients, saliva and physiology of the oral cavity, body defenses, blood and hemostasis, basic cardiovascular

	physiology, respiratory system, urinary system, fluid balance, acid base balance and basic medical biochemistry, including human genetics with special relevance to dentistry				
Module Information:	**SAQA Credits (4; 8; 12; 16; 20; 24; 28;32)**		**ITS Course Level**		**CESM Code (3rd Order) (Six Numbers)**
	20		7		130899
Delivery Information:	**Campus**		**Full/Part Time**		**Period (Year/1st/2ndSem)**
	SMU		Fulltime		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			2	3	2
Pre-requisite modules for this module:	N/A				
Co-requisites modules for module:					
Assessment Criteria	• The student will demonstrate specialist knowledge to enable engagement with and critique of current research and practices, and advanced scholarship and research in applied physiology relevant to the specialist discipline • Will make sound judgments using data and information to their disposal and effectively communicate to a range of audiences (specialist and non-specialist) with different levels of knowledge and expertise their conclusions in applied physiology relevant to the practice of the specialist discipline				
Assessment Methods	Summative				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	N/A	N/A	N/A
	Duration	3 hours	N/A	N/A	N/A
	% contribution to Summative Assessment Mark	100	N/A	N/A	N/A
	Sub minimum	45%	N/A	N/A	N/A

F: MODULAR INFORMATION REQUIRED						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					
Module Code: (4 alphabetic & 3 numeric)	MMXJ190					

Module Name:	ORAL BIOLOGY					
Content:	ORAL HISTOLOGY, ORAL ANATOMY & EMBRYOLOGY applied to the discipline in which the dissertation is done.					
Learning Outcomes:	After completion of the module candidates should be able to explain the aspects of the normal oral cavity (embryology and growth, histology and function) pertaining to the discipline in which the Master's degree is registered.					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	40		07		090304	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		FT		Y	
Periods per week: 6 MONTHS	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
	NIL	NIL	1 HR	2 HRS	6 HRS	
Pre-requisite modules for this module:	NIL					
Co-requisites modules for module:						
ASSESSMENT:						
Assessment Criteria:	A successful candidate must prove competency in describing the embryology anatomy, histology and physiology of the oral cavity as it applies to the discipline in which the dissertation is done.					
Assessment Methods:	Written and oral examination					

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	THEORY	ORAL		
	Duration	3 HRS	45 MIN		
	% of Exam Mark	80%	20%		
	Sub minimum	50%	50%		

F: MODULAR INFORMATION REQUIRED						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2017			**First Year Offered (New):** 2018			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					
Module Code: (4 alphabetic & 3 numeric)	OBIO190					
Module Name:	ORAL BIOLOGY FOR INTERCEPTIVE ORTHODONTICS					

Content:	Oral histology, oral anatomy & embryology: applied to the discipline in which the dissertation is done.						
Learning Outcomes:	After completion of the module candidates should be able to explain the aspects of the normal oral cavity (embryology and growth, histology and function) pertaining to the discipline in which the Master's degree is registered.						
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**		
	20		07		090304		
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**		
	SMU		FT		Y		
Periods per week: 6 MONTHS	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**		
	NIL	NIL	1 HR	2 HRS	6 HRS		
Pre-requisite modules for this module:	NIL						
Co-requisites modules for module:							
ASSESSMENT:							
Assessment Criteria:	A successful candidate must prove competency in describing the embryology anatomy, histology and physiology of the oral cavity as it applies to the discipline in which the dissertation is done.						
Assessment Methods:	Written and oral examination						

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	THEORY	ORAL		
	Duration	3 HRS	45 MIN		
	% of Exam Mark	80%	20%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					

Module Code: (4 alphabetic & 3 numeric)	MMXK190
Module Name:	ORAL PATHOLOGY
Content:	GENERAL ORAL PATHOLOGY: The course addresses the following: 1. Developmental oral anomalies. 2. Inflammatory oral conditions. 3. Reactive oral

	changes. 4. Cysts. 4. Neoplasms of bone, salivary glands, mucosa and soft tissue.					
Learning Outcomes:	After completion of the course candidates should be able to recognize oral abnormalities, drawn up a list of differential diagnoses, employ special examinations to establish a final diagnosis and understand the broad principles of management of the disease states.					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	40		7		090304	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		FT		Y	
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
	NIL	NIL	1 HR	2 HRS	6 HRS	
Pre-requisite modules for this module:	NIL					
Co-requisites modules for module:	MIDI808					
Assessment Criteria:	Diagnosis of oral abnormalities, listing of differential diagnoses, selection of special investigations to establish final diagnoses and understanding of the broad principles of management of the disease states					
Assessment Methods:	Written paper and oral examination					

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	THEORY	ORAL		
	Duration	3 HRS	45 MIN		
	% of Exam Mark	80%	20%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2017			**First Year Offered (New):** 2018			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					
Module Code: (4 alphabetic & 3 numeric)	OPIO190					
Module Name:	ORAL PATHOLOGY FOR INTERCEPTIVE ORTHODONTICS					
Content:	GENERAL ORAL PATHOLOGY: The course addresses the following: 1. Developmental oral anomalies. 2. Inflammatory oral conditions. 3. Reactive oral					

	changes. 4. Cysts. 4. Neoplasms of bone, salivary glands, mucosa and soft tissue.				
Learning Outcomes:	After completion of the course candidates should be able to recognize oral abnormalities, drawn up a list of differential diagnoses, employ special examinations to establish a final diagnosis and understand the broad principles of management of the disease states.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	20		7		090304
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	NIL	NIL	1 HR	2 HRS	6 HRS
Pre-requisite modules for this module:	NIL				
Co-requisites modules for module:					
Assessment Criteria:	Diagnosis of oral abnormalities, listing of differential diagnoses, selection of special investigations to establish final diagnoses and understanding of the broad principles of management of the disease states				
Assessment Methods:	Written paper and oral examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	THEORY	ORAL		
	Duration	3 HRS	45 MIN		
	% of Exam Mark	80%	20%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: MAXILLOFACIAL ORAL RADIOLOGY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					
Module Code: (4 alphabetic & 3 numeric)	MMXC190					
Module Name:	MAXILLOFACIAL RADIOLOGY					
Content:	Radiation Physics, Radiation Safety and Protection, Radiation Biology, Imaging Principles and Techniques: Projection Geometry, X-ray Film, Intensifying screens					

	and grids, Processing of X-ray films, digital imaging, intra- and extraoral dental radiography, panoramic imaging, advanced imaging: principles of tomographic imaging, CBCT, PET, CT, MRI), Radiographic quality control, infection Control, normal radiographic anatomy, guidelines for prescribing (and safe use) of dental radiographs and use of CBCT; Principles of Radiographic Interpretation; radiographic imaging of the following: caries, periodontal diseases, dental anomalies, inflammatory lesions of the jaws, cysts and cyst-like lesions of the jaws, benign tumors of the jaws, malignant diseases of the jaws, diseases of bone manifested in the jaws, systemic diseases manifested in the jaws, diagnostic imaging of the TMF, paranasal sinuses, soft tissue calcification/ossification, trauma, developmental disturbances of head/neck area, salivary glands, dental implants;				
Learning Outcomes:	The understanding and practical application, where applicable, of the following: Radiation Physics, Radiation Safety and Protection, Radiation Biology, Imaging Principles and Techniques: Projection Geometry, X-ray Film, Intensifying screens and grids, Processing of X-ray films, digital imaging, intra- and extraoral dental radiography, panoramic imaging, advanced imaging: principles of tomographic imaging, CBCT, PET, CT, MRI), Radiographic Quality control, Infection Control, Normal Radiographic Anatomy, Guidelines for Prescribing and safe use of dental radiographs and CBCT; Principles of Radiographic Interpretation radiographic imaging of the following: caries, periodontal diseases, dental anomalies, inflammatory lesions of the jaws, cysts and cyst-like lesions of the jaws, benign tumors of the jaws, malignant diseases of the jaws, diseases of bone manifested in the jaws, systemic diseases manifested in the jaws, diagnostic imaging of the TMF, paranasal sinuses, soft tissue calcification/ossification, trauma, developmental disturbances of head/neck area, salivary glands, dental implants				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	40		07		090303
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	2	5	1	1	Y
Pre-requisite modules for this module:					
Co-requisites modules for module:	ORBI801, ORPA801, MIDI808				
Assessment Criteria:	Candidates must prove an understanding of: Radiation Physics, Radiation Safety and Protection, Radiation Biology, Imaging Principles and Techniques: Projection Geometry, X-ray Film, Intensifying screens and grids, Processing of X-ray films, digital imaging, intra- and extraoral dental radiography, panoramic imaging, advanced imaging: principles of tomographic imaging, CBCT, PET, CT, MRI), Radiographic Quality control, Infection Control, Normal Radiographic Anatomy, Guidelines for Prescribing and safe use of dental radiographs and CBCT; Principles of Radiographic Interpretation radiographic imaging of the following: caries, periodontal diseases, dental anomalies, inflammatory lesions of the jaws, cysts and cyst-like lesions of the jaws, benign tumors of the jaws, malignant diseases of the jaws, diseases of bone manifested in the jaws, systemic diseases manifested in the jaws, diagnostic imaging of the TMF, paranasal sinuses, soft tissue calcification/ossification, trauma, developmental disturbances of head/neck area, salivary glands, dental implants				
Assessment Methods:	One written paper, a practical and an oral examination				
Mark Structure:	Minimum Form Assessment Mark for exam admission (%)				n/a
	Final	% Formative Assessment Mark			n/a

	mark =	% Summative Assessment Mark	100
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Written paper		OSCE	Oral
	Duration	3 hours		2 hours	40 minutes
	% of Exam Mark	50%		30%	20%
	Sub minimum	50		70	50

MODULAR INFORMATION					
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY		
Last Revision date: 2015			**First Year Offered (New):** 2015		
Replace this Module existing module(s)? No			**If YES, give the module codes:**		
Module linked to Qualification/s:	MDS01				

Module Code: (4 alphabetic & 3 numeric)	MMXG190				
Module Name:	ORAL MICROBIOLOGY				
Content:	GENERAL ORAL MICROBIOLOGY: 1. Bacterial infections including dental plaque and caries. 2. Fungal infections of the oral cavity. 3. Viral infections of the oral- and peri-oral tissues. 4. Oral immunity. 5. Commensal organisms in saliva				
Learning Outcomes:	After completion of the course candidates should be able to describe the normal commensal organisms in saliva and understand factors which contribute to the growth of a pathogenic strain. They should be able to diagnose infections of the oral cavity clinically and be able to employ special microbiological investigations.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	40		7		090304
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		1st/2nd
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	NIL	NIL	1 HR	2 HRS	Y
Pre-requisite modules for this module:	0				
Co-requisites modules for module:	MIDI808				
Assessment Criteria:	• Description of the normal commensal organisms in saliva and understanding of factors which contribute to the growth of pathogenic strains. • Diagnoses of infections of the oral cavity clinically • Selection of special microbiological investigations.				
Assessment Methods:	Formative assessments consist of class tests as well as seminars The summative assessment consists of a written examination.				

Mark	Minimum Form Assessment Mark for exam admission (%)	N/A

Structure:	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**
Summative Assessment Paper:	Theory / Practical	THEORY	ORAL	
	Duration	2 HRS	45 MIN	
	% of Exam Mark	80%	20%	
	Sub minimum	50%	50%	

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					

Module Code: (4 alphabetic & 3 numeric)	MMXD190				
Module Name:	ORAL ANATOMY				
Content:	GENERAL ORAL ANATOMY, HISTOLOGY & EMBRYOLOGY				
Learning Outcomes:	After completion of the course candidates should be able to have specialist knowledge to enable engagement with and critique of current research or practices; and an advanced scholarship or research relevant to general oral anatomy, histology and embryology.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	40		07		090304
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y
Periods per week: 6 MONTHS	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	NIL	NIL	1 HR	2 HRS	6 HRS
Pre-requisite modules for this module:	NIL				
Co-requisites modules for module:	MIDI808				
Assessment Criteria:	The candidate must be able to demonstrate an ability to use a wide range of specialised skills in identifying, conceptualising, designing and implementing methods of enquiry to address complex and challenging problems. The candidate must demonstrate an understanding of the consequences of any solutions or insights generated within the field of general oral anatomy, histology and embryology. The candidate must demonstrate competence to apply general steps of scientific method to form hypotheses, collect and evaluate data, and draw conclusions.				
Assessment Methods:	Written paper and an oral examination				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	THEORY	ORAL		
	Duration	2 HRS	40 MIN		
	% of Exam Mark	80%	20%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: MAXILLOFACIAL AND ORAL SURGERY			**School:** DENTISTRY			
Last Revision date: 2019			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					

Module Code: (4 alphabetic & 3 numeric)	MMXE190				
Module Name:	COSMETIC/AESTHETIC DENTISTRY				
Content:	• Restore form and function by moving skin, bone, nerves, and other tissues from other parts of the body to reconstruct the jaws and face • Collaborate with other professionals, such as restorative dentists and orthodontists, to plan treatment.				
Learning Outcomes:	After completion of the course candidates should be able to have specialist knowledge to enable engagement with and critique of current research or practices; and an advanced scholarship or research relevant to aesthetics in dentistry.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	40		07		090308
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	The candidate must: • demonstrate a high level of knowledge of the information and techniques needed to diagnose and treat human injuries, diseases, and deformities. This includes symptoms, treatment alternatives, drug properties and interactions, and preventive health-care measures relevant to aesthehes.				

	• identify complex problems and reviewing related information to develop and evaluate options and implement solutions. • judge and consider the relative costs and benefits of potential actions to choose the most appropriate one. • use logic and reason to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
Assessment Methods:	Written and clinical evaluation

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Written	OSCE		
	Duration	3 hours	1 hour		
	% of Exam Mark	70%	30%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: OPERATIVE DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					

Module Code: (4 alphabetic & 3 numeric)	MRDA190
Module Name:	ENDODONTICS
Content:	**Section A: Theory** The theory of the following topics must be studied in depth: **The physiology of pain.** The differential diagnosis of orofacial pain. Clinical examination and treatment planning. Pulp biology: Pulp and periapical pathology; Immunology in endodontics; endodontic materials and their effect on the pulp and periapical tissues; emergency treatment and control of pain; vital pulp treatment and apexification; management of trauma. **Problem cases:** Fracture instruments; perforations; resorption-classification; diagnosis and treatment; calcified canals. Tooth whitening (vital and non-vital); root canal failures and factors controlling the success of root canal therapy; surgical endodontics. **Preventive aspects of endodontics:** latrogenic pulp conditions; perio-endo lesions; prosthodontic-endontic relationships. **Section B: Clinical** Hand instruments; Rotary instruments; root filling techniques. (i) Each candidate is expected to produce full records of the treatment of 25 root canals using different techniques. The following records must be available: Examination and treatment plan; preoperative working length; master cone and final root canal and recall radiographs (Subject to the technique used). (ii) The following special cases should be treated by post-graduate

	students: Treatment of tooth with fractured instrument; root fractures and other trauma cases; resorption and re-implantation of traumatized teeth; endodontic implants.
Learning Outcomes:	At the end of this module candidate will be able to: • demonstrate comprehensive and in depth knowledge of the physiology of pain • examine problem cases and formulate plans for treatment • draft, execute and assess plans for preventive aspects of endodontics • produce full records of the treatment of 25 root canals using different techniques • provide evidence that they have consulted a variety of sources in order to be able to handle the more advanced dental procedures linked to the above mentioned module

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	40	7	090307

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FT	S1

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
		1		1	1

Pre-requisite modules for this module:	0
Co-requisites modules for module:	
Assessment Criteria:	The qualifying candidate must: • demonstrate comprehensive and in depth knowledge of the physiology of pain related to the differential diagnosis of orofacial pain; clinical examination and treatment planning; pulp and periapical pathology; Immunology in endodontics; endodontic materials and their effect on the pulp and periapical tissues; emergency treatment and control of pain; vital pulp treatment and apexification; management of trauma. • examine problem cases and formulate plans for treatment with reference to fracture instruments; perforations; resorption-classification; diagnosis and treatment; calcified canals; tooth whitening (vital and non-vital); root canal failures and factors controlling the success of root canal therapy; surgical endodontics. • draft, execute and assess plans for preventive aspects of endodontics with reference to latrogenic pulp conditions; perio-endo lesions; prosthodontic-endontic relationships. • produce full records of the treatment of 25 root canals using different techniques
Assessment Methods:	Written and oral examination

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral		
	Duration	3 hours	30 minutes		

	% of Exam Mark	80%	20%		
	Sub minimum	50%	50%		

MODULAR INFORMATION							
Department: COMMUNITY DENTISTRY				**School:** DENTISTRY			
Last Revision date: 2012				**First Year Offered (New):** 2013			
Replace this Module existing module(s)? No				**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01						

Module Code: (4 alphabetic & 3 numeric)	MPRA190				
Module Name:	EPIDEMIOLOGY				
Content:	Design strategies in epidemiology; statistical association; cause and effect relationships; measures of disease frequency and association; types of study designs; description and analysis of epidemiological data; validity and threats to study designs				
Learning Outcomes:	• To train and educate a qualified dentist to equip him with the necessary knowledge and skills • To understand the principles of public health • Biostatics, epidemiology and evidence based dentistry • Understanding health policy development and analysis • Understanding health care systems • Health promotion • Programme planning, implementation and evaluation • Carry out research on consultancy				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	40		07		090305
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	1/2 weeks			1/2 weeks	
Pre-requisite modules for this module:					
Co-requisites modules for module:					
Assessment Criteria:	• Understanding the principles of public health • Biostatics, epidemiology and evidence based dentistry • Understanding health policy development and analysis • Understanding health care systems • Health promotion • Programme planning, implementation and evaluation • Carry out research on consultancy				
Assessment Methods:	Assignment, Presentation, Assessment, test, Seminar Discussion				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final	% Formative Assessment Mark	60 %

	mark =	% Summative Assessment Mark	40 %
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Assignments			
	Duration				
	% of Exam Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department: ORAL & MAXILLOFACIAL PATHOLOGY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					

Module Code: (4 alphabetic & 3 numeric)	MMXF190				
Module Name:	FORENSIC ODONTOLOGY				
Content:	1. Principles of human identification with reference to the dentition. 2. Analyses of bite marks. 3. Dental jurisprudence, fraud and malpractice. 4. Mass disaster management. 5. Courtroom procedures and the Dentist as a special witness. 6. Dental record keeping				
Learning Outcomes:	At the end of the course a student should be able to execute a forensic odontological investigation and present the results in acceptable format to the consulting party.				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	40		7		090303
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		S1
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	NIL	NIL	1 HR	2 HRS	6 HRS
Pre-requisite modules for this module:	MMXJ190				
Co-requisites modules for module:					
Assessment Criteria:	Successful candidates must prove competency in executing a forensic odontological examination as well as the ability to draft a legal affidavit on the findings.				
Assessment Methods:	Written, oral examination and portfolio of cases				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%

	Minimum final mark to pass (%)			50%	
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	THEORY	ORAL	Portfolio of cases	
	Duration	3 HRS	45 MIN	n/a	
	% of Exam Mark	60%	20%	20%	
	Sub minimum	50%	50%	50%	

MODULAR INFORMATION						
Department: OPERATIVE DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					

Module Code: (4 alphabetic & 3 numeric)	MRDB190
Module Name:	OPERATIVE DENTISTRY including RESTORATIVE MATERIALS
Content:	The theory of the following topics must be studied in depth **SECTION A** **1. RESTORATIVE DENTISTRY** Caries prevention and caries control Aesthetic restorative techniques Amalgam restorations and amalgam bonding Atraumatic restorative treatment techniques Posterior composite restorations **2. RESTORATIVE MATERIALS** Science of Restorative Materials Conventional Dental Cements Glass ionomer cements Dental Amalgam Resin restorative materials Compomer restorative materials Enamel/dentine bonding systems Pit and fissure sealants Latest development in restorative materials **SECTION B**: **CLINICAL** The candidate is expected to produce a portfolio of 20 case reports of direct restorative procedures which must include anterior and posterior composite restorations, complex amalgam restoration and preventive resin restorations. (Pre- and operative radiographs and photographs with models are needed for the portfolio).
Learning Outcomes:	The candidates must prove that they consulted a variety of sources in order to be able to handle the more advanced dental procedures linked to the above mentioned module. The student must be able to demonstrate knowledge on the theoretical component of Restorative Dentistry and Restorative Materials. The student will be able to demonstrate an ability to identify, analyze and solve problems related to the practical component of Restorative Dentistry and Dental Materials. The student will confidently do Restorative Dental treatment and the use of Dental Materials related to Restorative Dentistry

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**

	40		7		090303
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
		1		1	1
Pre-requisite modules for this module:	0				
Co-requisites modules for module:					
Assessment Criteria:	Seminars, portfolio of 20 case reports, literature review on the specific course The individual student must take the responsibility to identify and address task specific knowledge linked to the theory and practical aspects of Restorative Dentistry and the use of Restorative Materials				
Assessment Methods:	Written and Oral Exam in OPDE801				

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Theory	Oral		
	Duration	3 hours	30 minutes		
	% of Exam Mark	80%	20%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: OPERATIVE DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					

Module Code: (4 alphabetic & 3 numeric)	MRDC190
Module Name:	PAEDIATRIC DENTISTRY
Content:	**Section A: Theory** The theory of the following topics must be studied in depth: (i) Paediatric Patient Management: • The child's reaction to dental care (anxiety, fear, panic, etc.) • Non-pharmacological paedodontic behaviour management techniques • Conscious sedation • Nitrous Oxide sedation (ii) Current concepts of pulp treatment of primary teeth.

	(iii) Management of traumatic injuries. (iv) The compromised patient. (v) Oral manifestations of HIV infection in children (vi) Interceptive orthodontics in paediatric dentistry **Section B: Clinical** The candidate is expected to produce a portfolio of 20 case reports of paediatric dentistry patients which must include paediatric endodontics, stainless steel crowns and interceptive orthodontics in paediatric patients. 5 Cases must be compromised patients, 5 cases treated under conscious sedation. (Pre- and post operative radiographs and photographs with models are needed for the portfolio).					
Learning Outcomes:	Candidate must be able to master paediatric dentistry as required by the Department					
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**	
	40		7		090310	
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**	
	SMU		FT		Y	
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**	
		1		1	1	
Pre-requisite modules for this module:	0					
Co-requisites modules for module:						
ASSESSMENT:						
Assessment Criteria:	Demonstrating level of knowledge in paediatric dentistry as required for a masters student. The individual student must take the responsibility to identify and address task specific knowledge linked to the theory and practical aspects of Paediatric Dentistry.					
Assessment Methods:	Written and Oral Exam in PAED801					

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	50%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Written exam	Oral examination		
	Duration	3 hours	0.5		
	% of Exam Mark	80	20		
	Sub minimum	50%	50%		

MODULAR INFORMATION			
Department: ORAL & MAXILLOFACIAL PATHOLOGY		**School:**	DENTISTRY
Last Revision date: 2015		**First Year Offered (New):**	2015

Replace this Module existing module(s)?		No		**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01						

Module Code: (4 alphabetic & 3 numeric)	MMXH190
Module Name:	ORAL PHYSIOLOGY
Content:	PHYSIOLOGY OF THE ORAL CAVITY: 1. Saliva: Formation, composition and functions. 2. Gingival fluid: Formation, composition and functions 3. Oral immunity 4. Mineralization of hard tissue – teeth and bone
Learning Outcomes:	At the end of the course candidates should be able to explain the factors which impact on homeostasis in the oral cavity; saliva; gingival fluid; oral immunity and mineralization of hard tissue.

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	40	7	090304

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FT	Y

Periods per week: 6 MONTHS	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
	NIL	NIL	1 HR	2 HRS	6 HRS

Pre-requisite modules for this module:	NIL
Co-requisites modules for module:	MIDI808
Assessment Criteria:	The qualifying candidate must demonstrate an understanding and provide an explanation of the factors which have an impact on homeostasis in the oral cavity with reference to saliva, gingival fluid, oral immunity and mineralization of hard tissue
Assessment Methods:	Written exam and oral exam

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		N/A
	Final mark =	% Formative Assessment Mark	N/A
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	THEORY	ORAL		
	Duration	3 HRS	45 MIN		
	% of Exam Mark	80%	20%		
	Sub minimum	50%	50%		

MODULAR INFORMATION			
Department:	**ORTHODONTICS**	**School:**	DENTISTRY
Last Revision date:	2012	**First Year Offered (New):**	2013

Replace this Module existing module(s)?	No		**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					
Migration Strategy:	No	(If YES, IP05 must also be completed)				

Module Code: (4 alphabetic & 3 numeric)	MMXI190
Module Name:	ORTHODONTICS
Content:	**Prescribed Textbook** Contemporary Orthodontics, WR Proffit, CV Mosby Co. Latest Edition. The first 15 chapters of the textbook form the base of the curriculum and be part of the written examination **Assignment** Case presentations of two orthodontic patients. The records of these patients will be issued by the Department of Orthodontics **Seminars** Two seminars regarding relevant topics issued by the department must be handed in. A review of the literature including all recent and current advances over the past decade must be included. The seminars must be approximately 50 pages long, typed on A4 pages using double spaced size 12 Times New Roman font and must be properly referenced according to the Havard style **Compulsory contact hours** Minimum contact hours during the year: 2 cycles of five days (1st and 2nd contact weeks). During the contact hours, the student has an opportunity to review the day-to-day functioning of the department. Contact is made with the undergraduate and postgraduate curricula and clinics. Attendance of the 2nd contact week is only possible if the basic subject has been passed and all seminars and assignments have been completed
Learning Outcomes:	By the end of this module, the student will know the following: Diagnosis and management of \malocclusion and Dentofacial deformities The development of Orthodontic problems Diagnosis and Treatment Planning Biomechanics of tooth movement Indications and uses of Fixed- and Removable appliances Treatment of pre-adolescent children

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	40	7	090309

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	PART TIME	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
		2		2	

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria:	Demonstrating professional diagnosis, compiling treatment plan and managing of orthodontic patients. The student must obtain a minimum 50% in the theoretical and clinical assignments
Assessment Methods:	Test 1 + Test 2 (50%) 2 Seminars (30%) 2 Clinical Assignments (20%)

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		50%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	THEORY	ORAL		
	Duration	3 HOURS	1 HOUR		
	% contribution to Summative Assessment Mark	90%	10%		
	Sub minimum	50%	50%		

MODULAR INFORMATION						
Department: COMMUNITY DENTISTRY			**School:** DENTISTRY			
Last Revision date: 2012			**First Year Offered (New):** 2013			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					

Module Code: (4 alphabetic & 3 numeric)	MPRB190				
Module Name:	PREVENTIVE DENTISTRY				
Content:	Public Health; biostatics; epidemiology and evidence based dentistry; health policy development and analysis; health care systems and health promotion				
Learning Outcomes:	• To train and educate a qualified dentist to equip him with the necessary knowledge and skills • To understand the principles of public health • Biostatics, epidemiology and evidence based dentistry • Understand health policy development and analysis • Understand health care systems • Health promotion • Programme planning, implementation and evaluation • Carry out research on consultancy				
Module Information:	**SAQA Credits**		**ITS Course Level Code**		**CESM Code (3rd Order)**
	40		7		090305
Delivery Information:	**Campus**		**Full/Part Time**		**Period (1st/2ndSem)**
	SMU		FT		Y
Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
			2	2	yes
Pre-requisite modules for this module:					
Co-requisites modules for module:					

Assessment Criteria:	The candidate must demonstrate the ability to: • identify the factors responsible for the current disease status of the patient through applying the principles of public health Public Health; biostatics; epidemiology and evidence based dentistry; health policy development and analysis; health care systems and health promotion • Develop a programme to manage and evaluate the current disease status of patients, including elimination or modification of risk factors • Develop a programme to prevent future disease progression and to maintain a non-carious state
Assessment Methods:	Seminars, tests, written exam, oral exam, assignments

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		40%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

		Paper 1	**Paper 2**	**Paper 3**	**Paper 4**
Summative Assessment Paper:	Theory / Practical	Written			
	Duration	3 hours			
	% of Exam Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department: ANATOMICAL PATHOLOGY AND FORENSIC PATHOLOGY				**School:** MEDICINE		
Last Revision date: 2015			**First Year Offered (New):** 2015			
Replace this Module existing module(s)? No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					

Module Code: (4 alphabetic & 3 numeric)	MATC190		
Module Name:	GENERAL PATHOLOGY		
Content:	General and Systematic Pathology		
Learning Outcomes:	The candidate should demonstrate an ability to evaluate current processes of knowledge production and to choose an appropriate process of enquiry for the general pathology and relevant systemic manifestations of disease likely to be encountered in dental practice. The candidate should demonstrate an ability to use a wide range of specialised skills in identifying, conceptualising, designing and implementing methods of enquiry to address complex and challenging problems with relevance to aetiology, pathogenesis pathology (both macroscopic and microscopic) and complications in general and systematic pathology related to dentistry.		
Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	40	7	130899
Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FT/PT	Y

Periods per week:	Classes	Practicals	Tutorial	Seminars	Independent Learning
		2		2	

Pre-requisite modules for this module:	
Co-requisites modules for module:	MIDI808
Assessment Criteria:	The candidate must demonstrate: • specialist knowledge sufficient to a dental specialist practice which will include the evaluation of current processes of knowledge production and making a choice of appropriate processes of enquiry for the general pathology and relevant systemic manifestations of disease likely to be encountered in dental practice • an ability to use a wide range of specialised skills in identifying, conceptualising, designing and implementing methods of enquiry to make diagnosis at a macroscopic and microscopic level of examination for commonly encountered pathologic conditions as a dental specialist
Assessment Methods:	Written Paper

Mark Structure:	Minimum Form Assessment Mark for exam admission (%)		n/a
	Final mark =	% Formative Assessment Mark	n/a
		% Summative Assessment Mark	100
	Minimum final mark to pass (%)		50

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Theory			
	Duration	3 hrs			
	% of Exam Mark	100%			
	Sub minimum	50%			

MODULAR INFORMATION						
Department:	**ORTHODONTICS**		**School:**	DENTISTRY		
Last Revision date:	2017		**First Year Offered (New):**	2018		
Replace this Module existing module(s)?	No		**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01					

Module Code: (4 alphabetic & 3 numeric)	INOR190
Module Name:	INTERCEPTIVE ORTHODONTICS
Content:	**THEORY** Unit 1: Definition of Interceptive orthodontics Unit 2: Normal and aberrant dental and skeletal development Unit 3: Patient examination Unit 4: Early management of dental problems and abnormal oral habits Unit 5: Growth and development of the body/face Unit 6: Treatment timing Unit 7: Early management of skeletal problems Unit 8: Assessment of orthodontic treatment outcomes

	Unit 9: Indices used in Orthodontics Unit 10: Ethical practices relating to orthodontics **CLINICAL:** Unit 1: Clinical cases Unit: 2 Construction of Appliances
Learning Outcomes:	**Learning outcomes:** **THEORY** **Unit 1: Definition of Interceptive orthodontics** What is Interceptive Orthodontics (IO); What is the rationale for IO; How effective IO is **Unit 2: Normal and aberrant dental and skeletal development** The characteristic features of a normal occlusion; The characteristics features of abnormal dental development; What the influences abnormal dental development are; The characteristic features of abnormal skeletal development; What are the influences abnormal skeletal development are. **Unit 3: Patient examination** Clinical Examination of orthodontic patients; Special investigations used for orthodontic patients (Pan, ceph, intra-oral radiographs, study casts, Photographs, 3-D radiographs); Interpretation of orthodontic records; How to formulating a diagnosis and treatment plan. **Unit 4: Early management of dental problems and abnormal oral habits** How to manage: early loss of primary teeth, severe dental crowding, anterior crossbites, other abnormal tooth positions, other abnormal oral habits; Indications and contra-indications of removable appliances. **Unit 5: Growth and development of the body/face** General body development; Theories of Craniofacial growth; Development of the maxilla; Development of the mandible. **Unit 6: Treatment timing** Growth indicators ; How to interpret growth indicators; When is the right time to treat according to the malocclusion type. **Unit 7: Early management of skeletal problems** How to manage: posterior crossbites; developing Class II skeletal problems; A developing Class III skeletal problems; vertical problems. **Unit 8: Assessment of orthodontic treatment outcomes** Cephalometric superimpositions: Study cast analysis; Panoramic radiograph analysis. **Unit 9: Indices used in Orthodontics** Epidemiological indexes and how they are applied; Indices for assessment of malocclusion severity and how they are applied. **Unit 10: Ethical practices relating to orthodontics** How ethical practices in patient management; The contents and application of an informed consent; How to maintain and keep patient records; Referral protocols and what to do with clinical records when referring patients; How to manage patients with special needs ; How to manage non-compliant patients . **CLINICAL:** **Unit 1: Clinical cases** Each candidate will choose two schools from underprivileged backgrounds in the vicinity of the clinic. The candidate will liaise with the school principal and parents to request permission to screen 10-11 year old children. Full screening will be conducted under supervision and cases identified as needing IO will be called to the clinic for record taking, diagnosis, treatment planning and management. Each candidate must record and manage a minimum of 30 cases over a two year period. The following clinical skills and competencies must be achieved: 1. Record taking, analysis and interpretation of records, diagnosis and treatment planning.

	2. The use of removable appliances for the correction of habits 3. The use of removable appliances for the correction of dental irregularities (indications, contra-indications and uses) 4. The use of removable appliances for the correction of mild to moderate skeletal discrepancies 5. Minor/limited fixed Orthodontic Treatment: i. What are the different types of orthodontic brackets available ii. What are the different prescriptions available of orthodontic brackets iii. How to place brackets iv. What are the different types of orthodontic wires available v. Wire choice and selection and the reasons behind the choice vi. What are the different methods/ways of achieving tooth movements with pre-adjusted appliances 6. Band placement for appliances such Trans Palatal Arches and Lingual Arches **Unit: 2 Construction of Appliances** • Hawley retainers • Anterior expansion appliance (Z-Springs) • Slow expansion appliance • Fixed lingual arch • Transpalatal arch

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	80	7	090309

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	PART TIME	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
		2		2	

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria:	
Assessment Methods:	Clinical cases, seminars, tests and examination

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		50%
	Final mark =	% Formative Assessment Mark	60%
		% Summative Assessment Mark	40%
	Minimum final mark to pass (%)		50%

Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	THEORY	CLINICAL Cases	Oral	
	Duration	3 HOURS		20 mins	
	% contribution to Summative Assessment Mark	45%	45%	10%	
	Sub minimum	50%	50%	50%	

MODULAR INFORMATION							
Department:	Oral Medicine and Periodontology, Community Dentistry, Integrated Clinical Dentistry, Prosthodontics, Operative Dentistry, Maxillofacial & Oral Surgery, Oral & Maxillofacial Pathology, Orthodontics				**School:**	DENTISTRY	
Last Revision date:	2020			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	No			**If YES, give the module codes:**			
Module linked to Qualification/s:	MDS01						

Module Code: (4 alphabetic & 3 numeric)	MRDA090: MINI-DISSERTATION: ICD, PROS, OPDE MPRA090: MINI-DISSERTATION: PEOM, CODE MMXA090: MINI-DISSERTATION: MFOS, ORPA, ORTH
Module Name:	MINI-DISSERTATION
Content:	A minor dissertation in one of the three elective modules needs to be completed: (a) A research based minor dissertation governed by the general university and School of Dentistry rules regarding registration with REC and MREC, supervision and external assessors as described under the General Rules of the University; (b) A manuscript deemed by the supervisor to be suitable for acceptance and publication by a SAPSE accredited journal, with the candidate as the primary author. A bound copy of the paper, together with a certificate from the supervisor deeming the paper to be suitable for publication, must be submitted to the University before the degree will be awarded
Learning Outcomes:	Minor dissertation The minor dissertation should prove competency to evaluate the literature critically, draft a report on an independent research project and prepare a scientific publication for a peer reviewed journal

Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**
	68	8	090399

Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**
	SMU	FT	Y

Periods per week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
				2 per week	~~Y~~

Pre-requisite modules for this module:	
Co-requisites modules for module:	
Assessment Criteria:	The dissertation should be presented in a format which proves the candidates ability to perform a critical literature analyses, execute a research project, discuss the findings and prepare a manuscript that is ready for publication in a scientific journal.
Assessment Methods:	Mini- dissertation

Mark Structure:			
	Minimum Form Assessment Mark for exam admission (%)		
	Final mark =	% Formative Assessment Mark	
		% Summative Assessment Mark	100%
	Minimum final mark to pass (%)		50%

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Mini-Dissertation			
	Duration	n/a			
	% of Exam Mark	100%			
	Sub minimum	50%			

MASTER OF DENTAL SCIENCE BY RESEARCH (MDSA01)

MODULAR INFORMATION						
Department:	Oral Medicine & Periodontology, Community Dentistry, Integrated Clinical Dentistry, Prosthodontics, Operative Dentistry, Maxillofacial & Oral Surgery, Oral & Maxillofacial Pathology, Orthodontics			**School:**	**DENTISTRY**	
Last Revision date:	2019		**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	No		**If YES, give the module codes:**			
Module linked to Qualification/s:	**MDSA01**					
Module Code: (4 alphabetic & 3 numeric)	MMXB090 MPRB090 MRDB090	DISSERTATION : MFOS, PATH, ORTH DISSERTATION: PEOM, CODE DISSERTATION: ICD, OPDE, PROS				
Module Name:	MDS by Dissertation					
Module Content:	The module content includes: • Introduction to postgraduate research and the rules that guide it at UL and FHS, including the identification of a topic in Oral Health Sciences and supervisor, guidelines for the preparation of a research proposal and the final research report, assessment criteria for this and associated timelines • Overview of the research process and the various outputs such as problem statement, literature review, online research resources, research question, research instruments, data gathering and collection and practice innovation • Review of main theoretical approaches, major paradigms of qualitative and quantitative research in order to locate a masters candidate's research in these paradigms • Examination of a candidate's preferred method to have a basic understanding of both approaches, enabling the candidate to read critically in either format • Preparation for scholarly writing of a research proposal within a limited period and presenting to a research ethics committee into the prescribed protocol format • Application for ethical clearance from an accredited Research Ethics Committee - the Departmental Research Committee, SREC and MR • Identification, conceptualization, design and conducting research projects that address issues related to Oral Health Sciences with precision and ease • Compilation of a thesis which meets universally acceptable standards of scholarly writing.					
Learning Outcomes:	A sound knowledge of the research methodology in the natural sciences					
Module Information:	**SAQA Credits**	**ITS Course Level Code**	**CESM Code (3rd Order)**			
	188	8	090301			
Delivery Information:	**Campus**	**Full/Part Time**	**Period (1st/2ndSem)**			

	SMU		Full or Part time		Y
Periods per Week:	**Classes**	**Practicals**	**Tutorial**	**Seminars**	**Independent Learning**
					Y
Pre-requisite modules for this module:					
Co-requisites modules for module:					
ASSESSMENT:					
Assessment Criteria:	Criteria as stipulated for the completion of a mini-dissertation as determined by Senate will be used to evaluate the student's work. The student must have made a significant and original contribution to knowledge and practice in their professional context and more generally to scholarship within a discipline or field of study and must have demonstrated a high level of research capability. The mini-dissertation must be of a quality to satisfy peer review and merit publication				
Assessment Methods:	On the recommendation of the promoter and the Faculty concerned, the Executive Committee of Senate appoints an assessment panel consisting of the promoter, the co-promoter(s) (if any) as internal assessor(s), and at least two external assessors. (A co-promoter may not act as external assessor). Should the Executive Committee of Senate consider it necessary, it may appoint one additional member, who is not an assessor, to act as chairs of the assessment panel. The title and proposal of a mini-dissertation is approved for a period of five years, after which the student may apply to Senate, via the relevant Faculty, for an extension of time				
Assessment Weighting:	Min Formative Assessment mark for exam admission (%)				
	Final mark =	% Formative Assess Mark			
		% Summative Assess Mark			100%
	Min Final Assessment mark to pass (%)				50%
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Dissertation			
	Duration				
	Sub minimum	50%			

MSC (DENTISTRY) (MDT01)

SECTION F: MODULAR INFORMATION REQUIRED						
Department:	**ORAL AND MAXILLOFACIAL PATHOLOGY**		**School:**	**DENTISTRY**		
Last Revision date:	2020		**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	No		**If YES, give the module codes:**			
Module linked to Qualification/s:	**MDT01**					
Migration Strategy:	No	(If YES, IP05 must also be completed)				
Module Code: (4 alphabetic & 3 numeric)	MDTA090					

<table>
<tr><td>Module Name:</td><td colspan="5">Dissertation</td></tr>
<tr><td>Module Content:</td><td colspan="5">The module content includes:
• Introduction to postgraduate research and the rules that guide it at UL and FHS, including the identification of a topic in Oral Health Sciences and supervisor, guidelines for the preparation of a research proposal and the final research report, assessment criteria for this and associated timelines
• Overview of the research process and the various outputs such as problem statement, literature review, online research resources, research question, research instruments, data gathering and collection and practice innovation
• Review of main theoretical approaches, major paradigms of qualitative and quantitative research in order to locate a masters candidate's research in these paradigms
• Examination of a candidate's preferred method to have a basic understanding of both approaches, enabling the candidate to read critically in either format
• Preparation for scholarly writing of a research proposal within a limited period and presenting to a research ethics committee into the prescribed protocol format
• Application for ethical clearance from an accredited Research Ethic Committee - the Departmental Research Committee, SREC and MR
• Identification, conceptualization, design and conducting a research project that address issues related to Oral Health Sciences with precision and ease
• Compilation of a thesis which meets universally acceptable standards of scholarly writing.</td></tr>
<tr><td>Learning Outcomes:</td><td colspan="5">A sound knowledge of the research methodology in the natural sciences.
Identification and conceptualize of a research proposal.
Skilled in literature review.
Judge and utilize evidence based research results in practice.
Good academic writing skills.
Complete a research study.
Write a report and present the result.</td></tr>
<tr><td rowspan="2">Module Information:</td><td colspan="2">SAQA Credits</td><td colspan="2">ITS Course Level Code</td><td>CESM Code (3rd Order)</td></tr>
<tr><td colspan="2">180</td><td colspan="2">8</td><td>090301</td></tr>
<tr><td rowspan="2">Delivery Information:</td><td colspan="2">Campus</td><td colspan="2">Full/Part Time</td><td>Period (1st/2ndSem)</td></tr>
<tr><td colspan="2">SMU</td><td colspan="2">Full</td><td>Y</td></tr>
<tr><td rowspan="2">Periods per Week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td></td><td></td><td></td><td></td><td>10</td></tr>
<tr><td>Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
<tr><td>Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td>Assessment Criteria:</td><td colspan="5">Criteria as stipulated for the completion of a major dissertation as determined by Senate will be used to evaluate the student's work. The student must have made a significant contribution to knowledge and practice in their professional context and more generally to scholarship within a discipline or field of study and must have demonstrated a high level of research capability. The major dissertation must be of a quality to satisfy peer review and merit publication</td></tr>
<tr><td>Assessment Methods:</td><td colspan="5">On the recommendation of the promoter and the Faculty concerned, the Executive Committee of Senate appoints an assessment panel consisting of the promoter, the co-promoter(s) (if any) as internal assessor(s), and at least two external assessors. (A co-promoter may not act as external assessor). Should the Executive Committee of Senate consider it necessary, it may appoint one additional member, who is not an assessor, to act as chairs of the assessment</td></tr>
</table>

		panel. The title and proposal of a major-dissertation is approved for a period of five years, after which the student may apply to Senate, via the relevant Faculty, for an extension of time			
Assessment Weighting:		Min Formative Assessment mark for exam admission (%)			
		Final mark =	% Formative Assess Mark		
			% Summative Assess Mark		100%
		Min Final Assessment mark to pass (%)			50%
Summative Assessment Paper:		**Paper 1**	**Paper 2**	**Paper 3**	**Paper 4**
	Theory / Practical	Dissertation			
	Duration				
	Sub minimum	50%			

PhD (DENTISTRY) (DHMA01)

MODULAR INFORMATION							
Department:	MAXILLOFACIAL AND ORAL SURGERY, PROSTHODONTICS ORAL AND MAXILLOFAICAL PATHOLOGY, ORTHODONTICS ORAL MEDICINE AND PERIODONTOLOGY, COMMUNITY DENTISTRY OPERATIVE DENTISTRY INTEGRATED CLINICAL DENTISTRY MAXILLOFACIAL ORAL RADIOLOGY			**School:**	DENTISTRY		
Last Revision date:	2020			**First Year Offered (New):**	2015		
Replace this Module existing module(s)?	No			**If YES, give the module codes:**			
Module linked to Qualification/s:	DHMA01						
Migration Strategy:	No	(If YES, IP05 must also be completed)					
Module Code: (4 alphabetic & 3 numeric)	MMXA100 MMXB100 MDBA100 MMXC100 MSPA100 MPRA100 MODA100 MICD100 MFOR100	Thesis (Maxillofacial and Oral Surgery Thesis (Oral Pathology) Thesis (Community Dentistry) Thesis (Orthodontics) Thesis (Periodontology & Oral Medicine) Thesis (Prosthodontics) Thesis (Operative Dentistry) Thesis (Integrated Clinical Dentistry) Thesis (Maxillofacial & Oral Radiology)					
Module Name:	THESIS						
Content:	The Doctor of Philosophy comprises a thesis based on the research results of an original, approved and supervised research project at NQF level 10, in the field of General Dentistry, presented in a form suitable for publication.						
Learning Outcomes	At this level the candidate will acquire graduate level knowledge of research philosophy and research methods in an approved specialized field of General Dentistry. The candidate will develop the ability to:						

<table>
<tr><td colspan="2"></td><td colspan="5">

- broaden a systematic understanding and mastery of the skills and methods of research associated with the specific field
- conceive, design, implement and adapt a substantial process of research with scholarly integrity
- make a contribution through original research in Dentistry that extends the frontier of knowledge by developing a substantial body of work, some of which merits national or international refereed publication
- conduct critical analysis, evaluation and synthesis of new and complex ideas applicable to the field.
- communicate with their peers, the larger scholarly community and with society in general about their areas of expertise
- promote, within academic and professional contexts, technological, social or cultural advancement in a knowledge based society.

</td></tr>
<tr><td colspan="2" rowspan="2">Module Information:</td><td>SAQA Credits</td><td>ITS Course Level Code</td><td colspan="3">CESM Code (3rd Order)</td></tr>
<tr><td>360</td><td>10</td><td colspan="3">090312</td></tr>
<tr><td colspan="2" rowspan="2">Delivery Information:</td><td>Campus</td><td>Full/Part Time</td><td colspan="3">Period (1st/2ndSem)</td></tr>
<tr><td>SMU</td><td>PART TIME</td><td colspan="3">Y</td></tr>
<tr><td colspan="2" rowspan="2">Periods per week:</td><td>Classes</td><td>Practicals</td><td>Tutorial</td><td>Seminars</td><td>Independent Learning</td></tr>
<tr><td></td><td></td><td></td><td></td><td>15</td></tr>
<tr><td colspan="2">Pre-requisite modules for this module:</td><td colspan="5"></td></tr>
<tr><td colspan="2">Co-requisites modules for module:</td><td colspan="5"></td></tr>
<tr><td colspan="2">ASSESSMENT</td><td colspan="5"></td></tr>
<tr><td colspan="2">Assessment Criteria</td><td colspan="5">

- In the Thesis the graduate must demonstrate a high level of research capability making a significant and original academic contribution at the frontiers of the discipline and field.
- The graduate work must be of a quality to satisfy peer review and merit publication.
- The degree may be earned through pure discipline-based or multidisciplinary research or applied research.
- A graduate should be able to supervise and evaluate the research of others in the area of General Dentistry

</td></tr>
<tr><td colspan="2">Assessment Methods</td><td colspan="5">On the recommendation of the promoter and the School concerned, the Executive Committee of Senate appoints an assessment panel consisting of the promoter, the co-promoter(s) (if any) as internal assessor(s), and at least two external assessors to evaluate the thesis. (A co-promoter may not act as external assessor). Should the Executive Committee of Senate consider it necessary, it may appoint one additional member, who is not an assessor, to act as chairs of the assessment panel. The title and proposal of a thesis is approved for a period of five years, after which the student may apply to Senate, via the relevant School, for an extension of time.</td></tr>
<tr><td rowspan="4">Mark Structure:</td><td colspan="2">Minimum Form Assessment Mark for exam admission (%)</td><td colspan="5">N/A</td></tr>
<tr><td rowspan="2">Final mark =</td><td>N/A</td><td colspan="5">N.A.</td></tr>
<tr><td>100</td><td colspan="5">N.A.</td></tr>
<tr><td colspan="2">Minimum final mark to pass (%)</td><td colspan="5">50%</td></tr>
</table>

		Paper 1	Paper 2	Paper 3	Paper 4
Summative Assessment Paper:	Theory / Practical	Thesis			
	Duration	N/A			
	% contribution to Summative Assessment Mark	100			
	Sub minimum	50