



**UNIVERSITY** *of the*  
**WESTERN CAPE**

**2020**

## **Faculty of Dentistry**

### **NOTICE**

All particulars in this calendar are applicable as from January 1, 2020. The University reserves the right to amend any regulation or provision at any time without prior notice.

Although every attempt has been made to ensure that the information is accurate, the University does not accept any liability concerning inaccuracies of any of the contents in the Calendar. Please check the University Website for the latest version of this calendar.

## CONTENTS

HOW TO USE THIS CALENDAR .....	2
GENERAL INFORMATION .....	3
DEGREES AND DIPLOMAS CONFERRED IN THE FACULTY .....	5
EXPLANATION OF THE NATIONAL QUALIFICATIONS FRAMEWORK.....	5
THE FACULTY OF DENTISTRY & WORLD HEALTH ORGANISATION (WHO) COLLABORATING CENTRE FOR ORAL HEALTH.....	6
FACULTY BOARD AND FACULTY OFFICE STAFF .....	7
LECTURING AND TECHNICAL STAFF.....	8
RULES FOR UNDERGRADUATE PROGRAMMES.....	14
Bachelor of Dental Surgery (5101) .....	14
Bachelor of Oral Health (5211) .....	21
RULES FOR POSTGRADUATE PROGRAMMES.....	28
Postgraduate Diploma in Dentistry (5309).....	28
Postgraduate Diploma in Sedation and Pain Control (5331) .....	31
Postgraduate Diploma in Implantology (5313).....	32
Master of Science (Thesis) (5800) .....	34
Master of Science (Structured - 5807) / (Clinical - 5801).....	36
Master of Dental Surgery (Structured - 5881) / (Clinical - 5811) .....	42
Doctor of Philosophy (5901) .....	47
Doctor of Science in Odontology (5911) .....	48
UNDERGRADUATE MODULE DESCRIPTORS .....	49
POSTGRADUATE MODULE DESCRIPTORS .....	155
EXPLANATION OF SYMBOLS AND REMARKS ON ACADEMIC TRANSCRIPT .....	318

## HOW TO USE THIS CALENDAR

The following provides an overview of the structure of this Calendar to guide users.

### **General Information**

This section provides the contact information for the Faculty and University.

### **Degrees and Diplomas conferred in the Faculty**

This section provides information on each of the qualifications conferred in the Faculty.

### **Explanation of the National Qualifications Framework (NQF)**

This is a brief section on the NQF levels and qualification types.

### **Faculty Board and Faculty Office Staff**

This section lists staff members who constitute the Faculty Board and Faculty Office staff members.

### **Lecturing and Technical Staff**

A comprehensive Faculty staff listing per Department, Centre, Institute, School or Unit is provided.

### **Rules for Programmes**

This section provides information on the rules for each academic programme at undergraduate and postgraduate level offered by the faculty. These rules should be read in conjunction with the academic rules (Section 3) of the General Calendar (Part 1). Students should acquaint themselves with the rules in both Calendars and annually check for rule and curriculum changes. Certain Faculties offer Access Programmes; however these programmes are not accredited but provide access to further studies. Please consult the relevant Faculty for further information.

### **Module Descriptors**

This section provides information on all the modules offered by the faculty at undergraduate and postgraduate level. Module descriptors contain information which relate to the main outcomes and content for each module, including the credit value and NQF level of the module. It is set in alphanumeric order per undergraduate and postgraduate offering.

### **Explanation of Symbols and Remarks on Academic Transcript**

This section provides an explanation of the symbols used and the remarks on the academic transcript.

## **GENERAL INFORMATION**

### **CORRESPONDENCE WITH THE UNIVERSITY**

All postal correspondence should be addressed to the relevant person or department at:

The University of the Western Cape  
Private Bag X17  
Bellville  
7535

Should you not know the person or department, please direct all correspondence to the Registrar.

Faculty related enquiries can be directly forwarded to:

Ms Joline Savill  
Faculty Manager  
Faculty of Dentistry  
The University of the Western Cape  
Private Bag X17  
Bellville  
7535  
Tel: +27 (0)21 937 3188  
Fax: +27 (0)21 931 2287  
Email: [dentistry@uwc.ac.za](mailto:dentistry@uwc.ac.za)

### **CONTACT NUMBERS**

UWC Contact Centre:	+27 (0)21 959 3900/1/2/3
General Fax:	+27 (0)21 959 3126
Tygerberg Campus Switchboard:	+27 (0)21 937 3000
Tygerberg Campus Fax:	+27 (0)21 931 2287
Mitchells Plain Campus Switchboard:	+27 (0)21 370 4400
Mitchell's Plain Campus Fax:	+27 (0)21 392 3250
E-mail:	<a href="mailto:info@uwc.ac.za">info@uwc.ac.za</a>

### **THE UNIVERSITY'S WEBSITE:**

[www.uwc.ac.za](http://www.uwc.ac.za)

### **GENERAL BURSARIES AND LOANS**

Full particulars of bursaries and loans are set out in a separate brochure that is obtainable from:

Financial Aid Office  
University of the Western Cape  
Private Bag X17  
Bellville  
7535  
Tel: +27 (0)21 959 3114/2737  
Fax+27 (0)21 959 2396

## **CALENDAR**

The Calendar is obtainable in the following separate parts:

- Part 1 General Information
- Part 2 Faculty of Natural Sciences
- Part 3 Faculty of Arts
- Part 4 Faculty of Economic and Management Sciences (Undergraduate)
- Part 5 Faculty of Economic and Management Sciences (Postgraduate)
- Part 6 Faculty of Education
- Part 7 Faculty of Dentistry
- Part 8 Faculty of Law
- Part 9 Faculty of Community and Health Sciences
- Part 10 Schedule of Fees

## **LOCATION**

The University of the Western Cape's (UWC) Faculty of Dentistry is located over three campuses and training is undertaken on the Oral Health Provincial Teaching Platform, which includes Groote Schuur and Red Cross Children's Hospital.

### **Main Campus**

The main campus is situated in Bellville in the Western Cape Province of South Africa. Bellville is part of the City of Cape Town. It is 30 minutes' drive from Cape Town, the country's parliamentary capital, and one of the world's most beautiful and scenic cities.

### **Mitchells Plain Campus**

The Mitchells Plain Campus is situated approximately 20 kilometers from the main campus, in the residential suburb of Mitchells Plain. The University owns two and a half floors of the Medical Centre in the heart of Mitchells Plain Town Centre.

### **Tygerberg Campus**

The Tygerberg Campus is situated in Parow Valley. It is 25 kilometers from the Cape Town city center and approximately 8 kilometers from the UWC main campus. The office of the Dean is located here.

## DEGREES AND DIPLOMAS CONFERRED IN THE FACULTY

### DEGREES

Bachelor of Dental Surgery	BDS (previously BChD)
Bachelor of Oral Health	BOH
Master of Science*	MSc
Master of Dental Surgery*	MDS (previously MChD)
Doctor of Philosophy*	PhD
Doctor of Science in Odontology	DSc (Odont)

### DIPLOMAS

Postgraduate Diploma in Dentistry*	PGDip
Postgraduate Diploma in Sedation and Pain Control	PGDip Sedation and Pain Control
Postgraduate Diploma in Implantology	PGDip Implantology

\* Please refer to the programme information for specialisations.

## EXPLANATION OF THE NATIONAL QUALIFICATIONS FRAMEWORK

The National Qualifications Framework (NQF) is “a single integrated system for the classification, registration, publication and articulation of quality-assured national qualifications” as stipulated in Section 4 of the NQF Act, 2008 (Act No 67 of 2008).

The National Qualifications Framework (NQF) has ten levels of which Higher Education qualifications occupy 6 levels of the NQF, namely levels 5 to 10.

Levels 5 to 7 comprise the undergraduate qualifications (with the exception of the Professional Bachelor's degree at Level 8) and levels 8 to 10 comprise the postgraduate qualifications.

NQF LEVELS	QUALIFICATION TYPES
<b>5</b>	Higher Certificate
<b>6</b>	Advanced Certificate Diploma
<b>7</b>	Advanced Diploma Bachelor's Degree
<b>8</b>	Honours Degree Postgraduate Diploma Professional Bachelor's Degree
<b>9</b>	Master's Degree Professional Master's Degree
<b>10</b>	Doctoral Degree Professional Doctoral Degree

As cited in the Higher Education Qualifications Sub-Framework (CHE, 2013)

## **THE FACULTY OF DENTISTRY & WORLD HEALTH ORGANISATION (WHO) COLLABORATING CENTRE FOR ORAL HEALTH**

The Faculty of Dentistry is a world-class oral health centre committed to the promotion of oral health through the excellence of its learning, service and research. A product of the transformation process in South Africa, this Faculty is firmly rooted in the struggle for the social, political and economic well-being of the South African community.

The Faculty plays a prominent role in the advancement of oral health in South Africa and Africa in association with the WHO, by engaging with the broader social, political and economic determinants of oral health, and through the training of well-rounded professionals with a holistic understanding of development, health and oral health care.

The ethos of the Faculty is one that actively promotes participation, democracy, equity, transparency, innovation, good governance and a deep respect for the rights and well-being of all.

## FACULTY BOARD AND FACULTY OFFICE STAFF

**Ex Officio Members:** The Rector, Vice Rector/s, Registrar and Dean

**Profs:** M Chetty, GAVM Geerts, AMP Harris, JJ Hille, N Mohamed, JA Morkel, NG Myburgh, A Shaikh, VJ Wilson

**Drs:** RZ Adam, A Afrogheh, R Ahmed, S Ahmed, B Ahmed-Kathree, W Asia-Michaels, N Behardien, S Bredenkamp, P Brijlal, C Cloete, M Cupido, D Dhaya, M Du Raan, A Dyason, W Farao, C Gordon, G Hein, H Holmes, Q Isaacs, A Jeftha, F Karjiker, SB Khan, N, Layloo, S Lundie, R Maart, FB Mahomed-Peerbhay, S Mpungose, SP Mpungose, R Mulder, S Mulder-van Staden, M Naidoo, N Noordien, MD Nyakale, J Opperman, C Peck, E Prince, T Roberts, CM Saayman S Shaik, D Smit, F Titinchi, AJ Van der Westhuijzen, T van Zyl, J Ziegler

**Mmes:** R Cader, E Dhaya, N Gordon, C Rayner, MR Samuels, JT Savill, S Simons, K Viljoen

**Messrs:** EJM Maboza

**Representatives from the Faculties of:**

**Community and Health Sciences:** Prof R Swart

**Natural Science:** Prof S Khoza

**Arts:** Vacant

**Administrative representatives:** Mr S Cozyn, Ms Z Smith

### FACULTY OFFICE STAFF

**Dean:**

Vacant

**Deputy Dean (Academic including**

**Teaching and Learning):**

Prof VJ Wilson, BChD MChD (UWC)

**Deputy Dean (Clinical):**

Dr E Prince, BChD (UWC) BAA (EMS) PGDip (UCT GSB) MSc (University of Loughborough)

**Deputy Dean (Research and**

**Postgraduate Studies):**

Prof GAVM Geerts, BChD MChD (SU) PGDip PhD (UWC)

**Teaching & Learning Specialist:**

Dr S Lundie, THED (Teaching Training College Pretoria) BA (UNISA) BEd (Hons) (UP) MEd PhD (NWU)

**Faculty Manager:**

Ms JT Savill, BA MPA (UWC)

**Dean's Administrator (Acting):**

Ms S Oosthuizen

**Faculty Officer:**

Ms Z Smith

**Administrators:**

Ms N Benjamin

Mr BS Layman

Mr S Cozyn

**Administrator/Finance**

Ms A Begg, ND (Management) (CPUT)

**Administrative Assistant:**

Mr DD Benson

**Administrators:**

Ms B Carstens

Ms H Lubbe

Ms I Van Der Rheede

**Technical Officers:**

Mr D Smith, ND (Environmental Health) IT-Combo (A+ Office, Network Technician) (Excel-Lent Computer Training) Cisco Certified Network Associate (ICT Academy) (CPUT) Microsoft Certified Technology Specialist (Microsoft Corporation) Microsoft Certified Professional (Microsoft Corporation) ADM (UWC)

Mr S Theys, Diploma Information Technology  
 Diploma Business and Entrepreneurship PC  
 Technician (Achievers School and Business IT)  
 Certified in Nutrition (Shaw Academy)  
 Mr M Uitlander

## LECTURING AND TECHNICAL STAFF

### **COMMUNITY ORAL HEALTH**

<b>Acting Cluster Head:</b>	Prof NG Myburgh, BChD (Rand) MChD (UWC) PGDip Health Policy (Leeds) PGDip (Int Research Ethics) (UCT)
<b>Administrator:</b>	Ms S Graham
<b>Emeritus Professor:</b>	Prof S Naidoo, BChD LDS RCS (Eng) MDPH (London) DDPH RCS (Eng) MChD DSc (Odont) (UWC) PGDip (Int Research Ethics) (UCT) PhD (SU)
<b>Associate Professor/Specialist:</b>	Vacant Prof NG Myburgh, BChD (Rand) MChD (UWC) PGDip Health Policy (Leeds) PGDip (Int Research Ethics) (UCT)
<b>Senior Lecturer/Specialist:</b>	Dr D Smit, BChD MChD (UWC)
<b>Registrar:</b>	Vacant

### **DIAGNOSTIC SCIENCES**

<b>Acting Cluster Head:</b>	Prof M Chetty, BSc (UKZN) BChD MChD (UWC) PhD (UCT)
<b>Acting Deputy Head:</b>	Prof T Roberts, BChD MChD (UWC) PhD (UCT)
<b>Administrators:</b>	Ms J Botha Ms J Biggs, ND (Management) (CPUT)

### **DIAGNOSTICS AND RADIOLOGY**

<b>Extraordinary Professor:</b>	Prof L Janse van Rensburg, MBChDB (Wits) MFGP (College of Medicine) MFamMed (UFS) MMed (Stellenbosch) DSc (Odont) (UWC)
<b>Emeritus Professor:</b>	Prof CJ Nortjé, BChD (UP) PhD (SU) DipABOMFR (USA) DSc (Odont) (UP)
<b>Stomatologist:</b>	Vacant
<b>Senior Lecturer/Dentist:</b>	Dr S Shaik, BChD PGDip (Maxillofacial Radiology) MSc (Dent) (UWC)
<b>Lecturer/Dentist:</b>	Dr T van Zyl, Dip OH BChD PGDip (Maxillofacial Radiology) (UWC)
<b>Chief Radiographer/Lecturer:</b>	Ms MR Samuels, ND (Diagnostic Radiography) (CPUT)
<b>Assistant Technical Officer:</b>	Mr W Fransman, ND (Lab Anim Technol) (Tech SA)

## **MAXILLOFACIAL AND ORAL PATHOLOGY & FORENSIC SCIENCES**

<b>Professor/Chief Specialist:</b>	Prof JJ Hille, DDS (Neth) MDent (Wits) FC Path (SA)
<b>Emeritus Professor:</b>	Prof VM Phillips, BChD (Wits) MChD FC Path (SA) Oral Path) Dip (Maxillofacial Radiol) (SU) PhD DSc (Odont) (UWC)
<b>Associate Professor/Specialist:</b>	Prof T Roberts, BChD MChD (UWC) PhD (UCT)
<b>Specialist /Lecturers:</b>	Dr A Afrogheh, BChD MChD MSc PhD (UWC) Dr JF Opperman, BChD PGDip (Forensic Dentistry) MChD (UWC)
<b>Registrars</b>	Dr LM Ndonga, BDS (UNO) Dr J Alwan, BCur (RAU) BChD MSc (Wits)

## **ORAL BIOLOGY**

<b>Associate Professor/ Specialist:</b>	Prof M Chetty, BSc (UKZN) BChD MChD (UWC) PhD (UCT)
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## **ORAL MEDICINE AND PERIODONTOLOGY**

<b>Professor/ Stomatologist:</b>	Vacant
<b>Extraordinary Professor:</b>	Prof PH Beighton, MB.BS MRCS.LRCP MD (London) PhD (Wits) FRCP (Edinburgh) FRCP (London) FRCPC (UK) MPhil (Lancaster)
<b>Senior Lecturers / Specialists:</b>	Dr HK Holmes, BChD MSc (Dent) MChD (UWC) Dr A Jefftha, BChD MChD (UWC) Dr S Mulder-van Staden, BChD MChD (UWC)
<b>Specialist /Lecturer:</b>	Dr SP Mpungose, BChD PGDip (Implantology) MChD (UWC)
<b>Lecturers/ Dentists:</b>	Dr D Dhaya, BChD (UWC) Dr Q Isaacs, BChD, MSc (Dent) (UWC)
<b>Lecturers/ Oral Hygienists:</b>	Ms E Dhaya, Dipl OH (UWC) Dipl Health Education in Developing Countries (Leeds) Ms S Simons, Dipl OH (UWC)
<b>Registrars:</b>	Dr M Alriyahi, BChD (Eygpt) Dr A Khan, BSc (UCT) BChD (SU) PGDip (Endo) PGDip (Implantology) PGDip (Oral Surgery) (UWC) Dr SP Mahlangu, BChD (UWC) MSc (Dent) (Wits) Dr TA Vedan, BChD (UWC) Clin.Man.HIV.TB (UWT) MPH (UP) Dr M Moloi, BSc (Biochem/Physio) BDS (SMU) Dr AP Cherian, BDS (ABMS Medical India) PGDip Clinical Dentistry (US) MSc (UWC)

## **MAXILLOFACIAL & ORAL SURGERY AND ANAESTHESIOLOGY & SEDATION**

<b>Head:</b>	Prof JA Morkel, BChD MBChB MChD (SU) FCMFOS (SA)
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<b>Deputy Head:</b>	Dr N Behardien, BChD MSc (Dent) PGDip (Sedation and Pain Control) PGDip (Implantology) (UWC)
<b>Administrator:</b>	Ms J de Wet
<b><u>Anaesthesiology and Sedation</u></b>	
<b>Emeritus Professor:</b>	Prof JA Roelofse, MBChB MMed PhD (SU)
<b>Medical Officer:</b>	Dr M du Raan, MBChB (SU) DA (SA) DESA (European Society of Anaesthesiology) PGDip (Sedation and Pain Control) (UWC)
<b>Lecturer/ Specialist:</b>	Vacant
<b><u>Maxillofacial and Oral Surgery</u></b>	
<b>Extraordinary Professor</b>	Prof JP Reyneke, BChD MChD (UP) FCMFOS (SA) PhD (Tampere)
<b>Associate Professor/ Specialist:</b>	Prof JA Morkel, BChD MBChB MChD (SU) FCMFOS (SA)
<b>Senior Lecturer/ Specialist:</b>	Dr GJ Hein, BSc BChD MChD (UWC)
<b>Specialist/ Senior Lecturer:</b>	Dr AJ van der Westhuijzen, BChD MChD (SU) FFD (SA) (MFOS) FDS RCS (Eng)
<b>Senior Lecturer/ Stomatologist:</b>	Vacant
<b>Dentist/ Lecturer:</b>	Dr N Behardien, BChD MSc (Dent) PGDip (Sedation and Pain Control) (UWC)
<b>Lecturer/Dentist:</b>	Dr F Titinchi, BChD PGDip (Minor Oral Surgery) MSc (Dent) (UWC)
<b>Registrars:</b>	Dr M Cupido, BChD PGDip (UWC)
	Dr NH Barnard, BChD (UWC) MBChB (SU)
	Dr Z Dangor, BDS (Wits)
	Dr M Dashti, MD (University of Charles)
	Dr M Douglas-Jones, BChD (SU) MBChB (Wits) PGDip (Interceptive Orthodontics) (UWC)
	Dr G Mhlanga, BChD PGDip (Sedation and Pain Control) (UWC)
	Dr S Ranchod, BChD (SU) PGDip (Minor Oral Surgery) (UWC)
	Dr P Jonsson, BChD (UWC)
	Dr K Pedro-Beech, BChD UWC)

## **ORAL HYGIENE**

<b>Cluster Head:</b>	Ms N Gordon, Dipl (OH) Dipl (Adult Education) (UWC) BA (UNISA) MPH (Maastricht)
<b>Administrator:</b>	Ms K Stuurman, Dipl (Business Management)
<b>Senior Lecturers:</b>	Dr P Brijlal, BOH (UKZN) MSc Dent PhD (UWC)
	Dr M Naidoo, BOH UKZN) Adv Dipl (OH) BA (Hons) BA (Masters in AAC) (UP) Expanded functions for Oral Hygienists (UKZN) PhD (Wits)
<b>Oral Hygienist /Senior Lecturer:</b>	Ms N Gordon, Dipl (OH) Dipl (Adult Education) (UWC) BA (UNISA) MPH (Maastricht)
<b>Oral Hygienist /Lecturers:</b>	Ms C Rayner, Dipl (OH) BA Hons MA (UWC)
	Ms K Viljoen, Dipl OH (SU) BA PGDTE MED (UNISA)

**Lecturer/ Oral Hygienist:**

Ms R Cader, BOH MSc (Dent) (UWC) PGDip  
(Medical Education) (UCT)

## **ORTHODONTICS AND PAEDIATRIC DENTISTRY**

**Cluster Head:**

Prof AMP Harris, BChD MChD Hons BSc Med Sci  
(SU) DTE (UNISA) FFD (SA) Ortho PhD (UWC)

**Head (Paediatric Dentistry):**

Prof N Mohamed, BChD BScDent Sci Hons MSc  
(Dent) PhD (SU)

**Administrator:**

Ms RR November, National Higher Secretarial  
Certificate (CPUT)

### **Orthodontics**

**Professor/ Specialist:**

Prof AMP Harris, BChD MChD Hons BSc Med Sci  
(SU) DTE (UNISA) FFD (SA) Ortho PhD (UWC)

**Associate Professor/ Specialist:**

Prof AB Shaikh, BChD MSc (Dent) MChD (UWC)

**Adjunct Associate Professor:**

Dr H Bellardie, BDS MSC (Ortho) (University of  
London) D Orth RCS (England)

**Senior Lecturer/ Specialist:**

Vacant

**Specialist/ Lecturer:**

Dr MD Nyakale, BDS (SMU) M Dent (UL)

**Lecturer/ Dentist:**

Dr C Gordon, BChD PGDip (Interceptive  
Orthodontics) (UWC)

**Registrars:**

Dr L Walton, BChD PGDip (Interceptive  
Orthodontics) (UWC)  
Dr FJ du Raan, BChD (SU) PGDip (Interceptive  
Orthodontics) MSc (UWC)  
Dr ML Galane, BDS MPH PGDip (UL)  
Dr VS Gomba, BDS (UL) PGDip (UWC)  
Dr AN Daki, BDS (MEDUNSA)

### **Paediatric Dentistry**

**Associate Professor/ Dentist:**

Prof N Mohamed, BChD BSc Dent Sci Hons MSc  
(Dent) PhD (SU) MPhil HPE (SU)

**Dentists/ Lecturers:**

Dr C Peck, BMedSci BChD MPhil HPE (US)  
Dr FB Mahomed-Peerbhay, BSc (UDN), BChD  
(UWC), PGDip (Paediatric Dentistry (US), MSc  
(Dent) (UWC)

**Senior Lecturer/ Dentist:**

Vacant

**Lecturer/ Dentist:**

Dr N Noordien, BChD PGDip (Paediatric  
Dentistry), MSc (Dent) (UWC)

## **RESTORATIVE DENTISTRY**

**Acting Cluster Head:**

Dr R Maart, BChD (UWC) M Phil (Higher  
Education) PGDip (SU) PGD HM (UCT)

**Acting Deputy Head:**

Dr CM Saayman, BChD MSc Dent Sc (US)

**Administrators:**

Ms Y Erasmus, BA (UWC)  
Ms C Mguga, Office Man & Techn Dip (CPUT)  
BAdmin (UWC)

## **CONSERVATIVE DENTISTRY**

<b>Associate Professor/ Specialist:</b>	Prof GAVM Geerts, BChD MChD (SU) PGDip PhD (UWC)
<b>Senior Lecturer/ Specialist:</b>	Dr WE Farao, BChD PGDip (Minor Oral Surgery) MChD (UWC) Vacant
<b>Senior Lecturers/ Stomatologists:</b>	Dr CM Saayman, BChD MSc Dent Sc (SU) Dr RZ Adam, BChD PGDip (SU) MSc Dent PhD (UWC)
<b>Senior Lecturer/Dentist:</b>	Dr A Dyason, BChD (UWC)
<b>Lecturers/Dentists:</b>	Dr S Ahmed, BChD (SU) PGDip MSc Dent (UWC) Dr S Bredenkamp, BChD PGDip (Paediatric Dentistry) (UWC) Dr F Karjiker, BChD (SU) PGDip (Clinical Dentistry) PGDip (Endodontics) MSc Dent (UWC)
<b>Dentists/ Lecturers:</b>	Dr C Cloete, BChD (UWC) Dr J Ziegler, BChD (UWC)

## **PROSTHETIC DENTISTRY**

<b>Associate Professor/ Specialist:</b>	Prof VJ Wilson, BChD MChD (UWC)
<b>Associate Professor/ Dentist:</b>	Prof SB Khan, BChD MSc (Dent) (UWC) PGDip PhD (SU)
<b>Specialist/ Lecturer:</b>	Dr S Mpungose, BChD MChD (UWC)
<b>Lecturer/ Specialist:</b>	Dr W Asia-Michaels, BChD MChD (UWC)
<b>Senior Lecturer/Stomatologist:</b>	Dr R Maart, BChD (UWC) PGDip (SU) PGD HM (UCT) M Phil (Higher Education) (SU) Dr R Mulder, BChD MSc Dent, PhD (UWC)
<b>Lecturers/Dentists:</b>	Dr R Ahmed, BChD (SU) PGDip MSc (Dent) (UWC) Dr B Ahmed-Kathree, BChD (UWC) Dr E Prince, BChD (UWC) BAA (EMS) PGDip (UCT GSB) MSc (University of Loughborough)
<b>Registrars:</b>	Dr N Layloo, BChD (UWC) Dr R Haffajee, BChD PGDip (Implantology) (UWC) Dr N Netshilindi, BChD (UWC) Dr J Julyan, BChD (UP) PGDip (Aesthetic Dentistry) (UWC) Dr A Naidoo, BChD PGDip (Orthodontics) (UWC) Dr D Van Vuuren, BChD PGDip (Aesthetic) (UP) PGDip (Implantology) (UWC) Dr LJ Brown-Steenkamp, BChD (UWC) Dr N Mzobe, BChD (UWC)

## **ORAL AND DENTAL RESEARCH LABORATORY**

<b>Lecturer: Microbiology:</b>	Mr EJM Maboza, BSocSc (UCT) BSc MSc Medical Bioscience (UWC)
<b>Cell-culture Technologist:</b>	Ms A Olivier, BSc (Hons) B (Phys Ed) M (Phys Ed) (SU)

**Administrator:**

Ms RA Basson, BA HonsBA (Psych) (UNISA)  
MA (Psych) (UWC)

**HONORARY AND P/T STAFF OF THE ORAL AND DENTAL TEACHING  
HOSPITAL**

**Department of General Surgery, US**

**Lecturer:**

Dr JA Lubbe, MBChB MMed (SU) GKC (SA)

**Department of Anesthesiology & Critical Care, US**

**Lecturer:**

Dr AFS Rocher, MBChB MMed (SU) GKN (SA)

**The Dermatology Department, UCT**

**Consultant full-time:**

Prof G Todd, PhD (UCT) MBChB (UCT) FF Derm  
(SA) BSc Agric

## **RULES FOR UNDERGRADUATE PROGRAMMES**

### **BACHELOR OF DENTAL SURGERY (5101)**

#### **G.1 ADMISSION**

Unless Senate decides otherwise, a student shall be required to meet the following criteria to be enrolled for the **Bachelor of Dental Surgery degree - (BDS)**:

##### **G.1.1 Minimum admission requirements for applicants who matriculated from 2008**

- (a) The National Senior Certificate for Bachelor's Degree study with a score of no fewer than 40 points calculated according to the University's approved points system, as well as the following specific subject requirements:
- level 4 (50-59%) in English (Home or First Additional Language), and
  - level 3 (40-49%) in Another Language (Home or First Additional Language), and
  - level 4 (50-59%) in Mathematics, and
  - level 4 (50-59%) in Physical Science, and
  - level 4 (50-59%) in Life Science

**OR**

- (b) A qualification or level of competence which the Senate of the University has deemed to be equivalent to the requirements stipulated in (a) above.

##### **G.1.2 Minimum admission requirements for applicants who matriculated before 2008**

- (a) A Matriculation Exemption Certificate with the following subject requirements:
- HG (40%, E symbol) Mathematics or SG (50%, D symbol) Mathematics, and
  - HG (40%, E symbol) Biology or SG (50%, D symbol) Biology, and
  - HG (40%, E symbol) Physical Sciences or SG (50%, D symbol) Physical Sciences

**OR**

- (b) A qualification or level of competence which the Senate of the University has deemed to be equivalent to the requirements stipulated in (a) above.

##### **G.1.3 Alternate admission requirements for applicants according to Recognition of Prior Learning (RPL)**

An applicant who completed the NSC in 2008 or thereafter, but have not obtained an endorsement, shall be considered for alternative admission after the age of 23. Such an applicant shall be required to complete an RPL portfolio development course and submit to a process where relevant learning and/or experience shall be assessed.

An applicant who is 23 years or older and does not have a matriculation certificate or NSC, but who may have obtained other qualifications or experience that may be deemed to be equivalent to admission criteria for particular study programmes, shall also be required to complete an RPL portfolio development course or an RPL portfolio process as agreed upon, and to submit to a process where such learning, qualification, and/or experience shall be assessed.

## G.2 SELECTION

**G.2.1** Final selection shall be based on an applicant meeting the criteria as determined by the Faculty.

**G.2.2** Applicants from other universities who have failed the BDS I (or its equivalent) and who will not be allowed at the universities concerned to proceed with the study of Dentistry, will similarly not be admitted into the BDS programme at this University.

## G.3 DURATION

Unless Senate decides otherwise the duration for the degree shall extend over five years full-time study.

## G.4 CURRICULUM

### G.4.1 Level 1

Module Name	Alpha Code	Cred
<b>1st Semester (select all modules)</b>		
Chemistry for Dentistry 118	CHE118	15
Life Sciences 141	LSC141	15
Physics for Dentistry 113	PHY113	15
Primary Health Care 111	HDP111	5
<b>2nd Semester</b>		
<b>Group 1 (select a module)</b>		
Human Biology 105	HUB105	40
<b>Group 2 (select 1 module)</b>		
Introduction to Xhosa (Dent) 120	XHO120	10
Introduction to Afrikaans (Dent) 120	AFR120	10
<b>Year Modules (select both modules)</b>		
*Clinical Dentistry 100	CLD100	15
Academic Literacy for Dentistry 110	ALD110	10
	<b>Sub-total</b>	<b>125</b>

### G.4.2 Level 2

Module Name	Alpha Code	Cred
<b>1st Semester (select modules)</b>		
Human Biology 205	HUB205	40
<b>2nd Semester (select all modules)</b>		
Basis of Disease Processes 220	BDP220	15
Interdisciplinary Health Promotion 111	HPD111	10
Radiation Physics 220	RAP220	5
*Non-invasive Restorative Techniques 220	NRT220	10
*Radiographic Techniques 200	RAT200	5
Basic Dental Materials 200	BDM200	5
<b>Year Modules (select all modules)</b>		
*Clinical Dentistry 201	CLD201	40
Oral Biology 210	OBI210	25
*Prosthetics Techniques 200	PRT200	10
	<b>Sub-total</b>	<b>165</b>

### G.4.3 Level 3

Module Name	Alpha Code	Cred
<b>1st Semester (select all modules)</b>		
Principles of Medicine and General Surgery (MFOS) 310	PMG310	15
Systemic Pathology 310	PAT310	10
*Invasive Restorative Techniques 310	IRT310	10
<b>2nd Semester (select all modules)</b>		
Basic Orthodontics 320	ORT320	10
Measuring Health and Disease 320	MHD320	10
Social Sciences and Dentistry 320	SSD320	10
<b>Year Modules (select all modules)</b>		
Dental Pharmacology 305	PCL305	20
*Maxillofacial and Oral Surgery 300	MFS300	10
*Dental Materials 300	DMT300	10
*Conservative Dentistry 300	CON300	15
*Dental Prosthetics 300	PRO300	15
*Radiographic Techniques 300	RAT300	5
Medical Microbiology for Dentistry 355	MIC355	20
*Periodontology 301	OMP301	20
	<b>Sub-total</b>	<b>180</b>

### G.4.4 Level 4

Module Name	Alpha Code	Cred
<b>1st Semester (select all)</b>		
Prevention 410	PRE410	10
<b>Year Modules (select all modules)</b>		
*Oral Medicine and Periodontology 400	OMP400	20
Anaesthesiology and Sedation 400	ANS400	10
*Maxillofacial and Oral Surgery 400	MFS400	20
*Conservative Dentistry 400	CON400	15
*Endodontics 400	END400	10
*Diagnostics and Radiology 400	RAD400	10
Oral Pathology 400	OPA400	20
*Paediatric Dentistry and Techniques 400	PED400	15
*Orthodontics 400	ORT400	20
*Prosthetic Dentistry 401	PRO401	25
Dental Research 410	DRE410	5
*Advanced Dental Materials 400	AMD400	10
	<b>Sub-total</b>	<b>190</b>

### G.4.5 Level 5

Module Name	Alpha Code	Cred
<b>1st Semester (select all modules)</b>		
Health Systems 500	HSY500	10
Ethics 521	ETH521	5
*Advanced Restorative Techniques 510	ART510	10

*Advanced Removable Prosthetics 511	PRO511	10
*Paediatric Dentistry 511	PED511	10
*Clinical Orthodontics 511	ORT511	10
*Conservative Dentistry 511	CON511	15
*Maxillofacial and Oral Surgery 511	MFS511	10
*Oral Medicine and Periodontology 511	OMP511	10
*Implants 500	IMP500	5
<b>2nd Semester (select both modules)</b>		
Practice Management 500	PRM500	5
*Clinical Dentistry 512	CLD512	80
	<b>Sub-total</b>	<b>180</b>
	<b>TOTAL</b>	<b>840</b>

## G.5 ASSESSMENT

**G.5.1** Assessment is governed by Rule A.5 as stipulated in the University Calendar: General Information Part 1.

**G.5.2** Senate Discretionary Assessment as per Rule A.5.2.8 will only be awarded in cases where a student owes no more than one module to complete the programme or to promote to the next level of study.

**G.5.3** For a student to be admitted to the final examination in all clinical modules:

**G.5.3.1** S/he must obtain at least 50% in the clinical component of the coursework assessment, and

**G.5.3.2** S/he must meet the minimum requirements as stipulated in the module guides.

## G.6 PROMOTION RULES

Unless Senate decides otherwise and subject to Rule A.3.2.3 or as provided for in the Faculty rules:

### G.6.1 Level 1

**G.6.1.1** To continue with the second semester modules in Human Biology, a student must have passed the first semester modules in Life Sciences (LSC141), Physics (PHY113) and Chemistry (CHE118).

**G.6.1.2** To qualify for promotion to level 2 of study a student must pass all the modules prescribed for level 1. However, a maximum of 10 credits from level 1 modules may be repeated while a student commences with level 2 modules. Modules that may be repeated are Primary Health Care (HDP111), Academic Literacy (ALD110), Xhosa (XHO120) and Afrikaans (AFR120), subject to the 10 credit proviso.

### G.6.2 Level 2

**G.6.2.1** To continue with the second semester module in Basis of Disease Processes (BDP220), a student must have passed the first semester module in Human Biology (HUB205).

**G.6.2.2** To qualify for promotion to level 3 of study, a student must pass all level 2 prescribed modules. However, a maximum of 10 credits from level 2 modules may be repeated while a student commences with level 3 modules. Modules that may be repeated are Interdisciplinary Health Promotion (HDP111) and Radiation Physics (RAP220), subject to the 10 credit proviso.

### **G.6.3 Level 3**

**G.6.3.1** The only module that can be repeated from the first semester is Principles of Medicine and General Surgery (PMG310).

**G.6.3.2** To qualify for promotion to level 4 of study, a student must pass all the modules prescribed for level 3. However, a maximum of 10 credits from level 3 modules may be repeated when a student commences with level 4 of study. Modules that may be repeated are Measuring Health and Disease (MHD320), Social Sciences and Dentistry (SSD320), subject to the 10 credit proviso.

### **G.6.4 Level 4**

**G.6.4.1** To qualify for promotion to level 5 of study, a student must pass all modules prescribed for level 4. However, a maximum of 10 credits from level 4 modules may be repeated when a student commences with level 5 modules. The two modules that may be repeated are Prevention (PRE410), and Dental Research (DRE410), subject to the 10 credit proviso.

### **G.6.5 Level 5**

**G.6.5.1** To continue with the second semester module Clinical Dentistry (CLD512), a student must have passed the prescribed first semester modules viz. Conservative Dentistry (CON511), Oral Medicine and Periodontology (OMP511), Maxillofacial and Oral Surgery (MFS511), Paediatric Dentistry (PED511), Advanced Removable Prosthetics (PRO511) and Clinical Orthodontics (ORT511).

**G.6.5.2** A student not qualifying to register for Clinical Dentistry (CLD512) must continue with the module for non-credit purposes.

**G.6.5.3** A student shall complete the degree once 840 credits are obtained and all the requirements for the degree are met.

## **G.7 ADVANCE REGISTRATION**

Advance registration is not permitted.

## **G.8 RENEWAL OF REGISTRATION**

**G.8.1** Renewal of registration shall be governed by Rule A.3.2.3, as stipulated in the University Calendar: General Information Part 1 or as provided for in the Faculty rules.

- G.8.2** The following conditions shall also apply to the renewal of registration in this programme:
- G.8.2.1** A student who has not qualified to continue to the second semester of level 1 will have to apply for re-admission for the following year.
- G.8.2.2** A student who has obtained less than 50% of level 1 credits will have to apply for re-admission for the following year. However, a student who has obtained at least 50% of level 1 credits does not need to apply for readmission and shall be permitted to continue with level 1 in the following year.

## **G.9 SPECIAL REQUIREMENTS FOR THE PROGRAMME**

- G.9.1** A student who repeats level 1, may retain credits for level 1 modules previously passed, except for Clinical Dentistry (CLD100) for which a student must satisfy the attendance requirements, assessments and clinical component and obtain a 55% coursework mark. If a student wishes to improve his/her final marks for Clinical Dentistry 100, s/he may rewrite the final examination.
- G.9.2** A student who does not qualify for promotion to level 3 of study may retain credits for Interdisciplinary Health Promotion (HDP111), Radiation Physics (RAP220), Human Biology (HUB205), Oral Biology (OBI210), and Basis of Disease Processes (BDP220) which s/he may have passed.
- G.9.3** A student who does not qualify for promotion to level 4 of study may retain credits for Pharmacology (PCL305), Systemic Pathology (PAT310), Principles of Medicine and General Surgery (PMG310), Measuring Health and Disease (MHD320), Social Sciences and Dentistry (SSD310), and Medical Microbiology for Dentistry (MIC335) which s/he may have passed.
- G.9.4** A student who does not qualify for promotion to level 5 of study may retain credits for Prevention (PRE410), Dental Research (DRE410), Anaesthesiology and Sedation (ANS400), and Oral Pathology (OPA400) which s/he may have passed.
- G.9.5** A student who fails level 5 may retain credits for Health Systems (HSY500), Ethics (ETH521), and Practice Management (PRM500) which s/he may have passed.
- G.9.6** A student who repeats a year (level 1 to 5) must repeat all the clinical modules indicated with an asterisk\* and will retain credits for modules already passed, if:
- (a) s/he repeats the modules in the subsequent year,
  - (b) s/he complies with the attendance requirements of the module,
  - (c) s/he obtains a coursework of 55% in the module,
  - (d) s/he obtains a 50% in the clinical component of the module
- G.9.7** A student who repeats a year (level 1 to 5) must repeat all the pre-clinical modules indicated with an asterisk\* and will retain credits for modules already passed if:
- (a) s/he repeats the modules in the subsequent year,
  - (b) s/he complies with attendance requirements of the module,
  - (c) s/he obtains a coursework of 55% in the module

- G.9.8** Every student in the Faculty of Dentistry must, in accordance with the requirements of the Health Professions Council of South Africa (HPCSA), register as a dental student within two months after registration at the University as well as after completion of the degree. Full particulars are available from the Faculty Office.
- G.9.9** A student who graduates is expected to complete one year of compulsory community service as required by the HPCSA.
- G.9.10** It is compulsory for all level 1 students to submit proof of Hepatitis B vaccination to the Faculty Office before the commencement of the second semester.
- G.9.11** Attendance at all practicals, clinical sessions, seminars, etc. is compulsory. A student who attends less than 80% of lectures for a module will not qualify to sit for the final examination in the module concerned.

### **G.9.12 Instrumentation**

- G.9.12.1** It is compulsory for all students to have their own instruments in certain departments. The departments will issue a list of these instruments.
- G.9.12.2** At the end of each academic year students will have to return any instrument issued to them by the Faculty.
- G.9.12.3** A student who has lost instruments will have to replace the instruments. A student who does not return the instruments issued by the Faculty will not be allocated a year mark. However, registration for the following year will not be affected.

### **G.9.13 Clinical Attire**

A student is responsible for his/her own clinical attire and protective eyewear required during clinical and laboratory sessions, as prescribed by the Faculty.

## **BACHELOR OF ORAL HEALTH (5211)**

### **The Profession of Oral Hygiene**

UWC offers a Bachelor in Oral Health (BOH). The oral hygienist's primary function is to promote oral health and wellness of society at an individual and public health level. Preventive, educational and therapeutic services are provided to individuals and populations of all ages across the social spectrum.

The scope of profession includes roles such as: primary health care professional, oral health promoter, clinician, practice manager and researcher. The oral hygienist can practice as an independent practitioner or be employed in public health services, general and specialist dental practices, research-based institutions, academic institutions, hospitals, the military and as dental representatives for dental companies.

### **The oral hygiene graduate must demonstrate the following core competencies:**

#### **Professionalism:**

Demonstrate accountability and responsibility within oral health and inter-professional settings within the parameters of relevant legislation, codes of ethics, and practice standards.

#### **Communication:**

Interact effectively with professionals, individuals and groups to facilitate the gathering, integrating, and conveying of information in multiple forms.

#### **Collaboration:**

Work effectively with professionals and stakeholders in addressing the oral health needs of individuals, groups, communities, and populations with a view to improving oral health and quality of life.

#### **Coordination:**

Coordinate oral health services, by planning, implementing and evaluating oral health-related programmes for individuals, groups and communities.

#### **Leadership:**

Facilitate change and innovation in clinical and public contexts to support and promote the well-being of individuals, groups and communities.

#### **Empowerment:**

Enable and support patients in the acquisition of knowledge and skills to promote self-reliance and self-care practices related to oral health and well-being in the context of their values and beliefs.

#### **Advocacy:**

Support social issues, policies, and individuals, groups, communities, and populations to reduce inequities in oral health status and increase access to oral health services.

#### **Policy Use:**

Engage with policies to improve and protect the oral and general health status of the public.

#### **Information technology:**

Demonstrate proficiency in the application of technology to access, utilize and disseminate information.

**Evidence-based practice:**

Use scientific evidence for information translation and to support patient management in the prevention and treatment of oral disease.

**Research:**

Identify a research problem, plan, implement, analyse, and report on an oral health-related issue.

**Oral Health promotion:**

Assess, plan, implement, and evaluate health promotion initiatives, programmes and services for individuals, groups, communities, and populations.

**Clinical Therapy:**

Manage therapeutic and ongoing supportive services for patients, including those with medically compromised and complex needs, through the life stages.

**G.10 ADMISSION**

Unless Senate decides otherwise, a student shall be required to meet the following criteria to be enrolled for the **Bachelor of Oral Health degree - (BOH)**:

**G.10.1 Minimum admission requirements for applicants who matriculated from 2008**

- (a) The National Senior Certificate for Bachelor's Degree study with a score of no fewer than 27 points calculated according to the University's approved points system, as well as the following specific subject requirements:
- level 4 (50-59%) in English (Home or First Additional Language), and
  - level 3 (40-49%) in another Language (Home or First Additional Language), and
  - level 3 (40-49%) in Mathematics, or
  - level 4 (50-59%) in Mathematics Literacy, and
  - level 4 (50-59%) in Life Science

**OR**

- (b) A qualification or level of competence which the Senate of the University has deemed to be equivalent to the requirements stipulated in (a)

**G.10.2 Minimum admission requirements for applicants who matriculated before 2008**

- (a) A Matriculation Exemption Certificate with the following subject requirements:
- HG (40%, E symbol) First Language, and
  - HG (40%, E symbol) Second Language, and
  - HG (40%, E symbol) Additional subject, and
  - HG (40%, E symbol) Biology or SG (50%, D symbol) Biology, and
  - HG (40%, E symbol) Physical Sciences or SG (50%, D symbol) Physical Sciences, and
  - HG (40%, E symbol) Physiology or SG (50%, D symbol) Physiology

**OR**

- (b) A qualification or level of competence which the Senate of the University has deemed to be equivalent to the requirements stipulated in (a)

### **G.10.3 Alternative admission requirements for applicants in terms of Recognition of Prior Learning (RPL)**

An applicant who completed the NSC in 2008 or thereafter, but have not obtained an endorsement, shall be considered for alternative admission after the age of 23. Such an applicant shall be required to complete an RPL portfolio development course and submit to a process where relevant learning and/or experience shall be assessed.

An applicant who is 23 years or older and does not have a matriculation certificate or NSC, but who may have obtained other qualifications or experience that may be deemed to be equivalent to admission criteria for particular study programmes, shall also be required to complete an RPL portfolio development course or an RPL portfolio process as agreed upon, and to submit to a process where such learning, qualification and/or experience shall be assessed.

### **G.11 SELECTION**

Final selection shall be based on an applicant meeting the criteria as determined by the Faculty.

### **G.12 DURATION**

Unless Senate decides otherwise the duration for the degree shall extend over three years full-time study.

### **G.13 CURRICULUM**

#### **G.13.1 Level 1**

<b>Module Name</b>	<b>Alpha Code</b>	<b>Cred</b>
<b>1st Semester</b>		
<b>Group 1 (select both modules)</b>		
Health, Development and Primary Health Care 124	HDP124	5
Social Sciences for Oral Health 122	SSD112	15
<b>Group 2 (select 1 module)</b>		
Introduction to Xhosa 003	XHO003	10
Introduction to Afrikaans 003	AFR003	10
<b>2nd Semester (select all modules)</b>		
*Clinical Practice 100	CLP100	15
Oral Diseases 120	ODS120	10
Interdisciplinary Health Promotion 111	HPD111	10
Radiography 123	RAD123	5
<b>Year Modules (select all modules)</b>		
Academic Literacy 110	ALD110	10
*Clinical Oral Health 120	ADP120	20
Human Biology for Oral Health 101	HBO101	10
Oral Biology for Oral Health 102	HBO102	10
<b>Sub-total</b>		<b>120</b>

### G.13.2 Level 2

Module Name	Alpha Code	Cred
<b>1st Semester (select both modules)</b>		
Oral Health Promotion 213	OHP213	15
Periodontology for Oral Health 210	PER210	5
<b>2nd Semester (select both modules)</b>		
Measuring Health and Disease 223	MHD223	10
Pharmacology for Oral Health 121	POH121	5
<b>Year Modules (select all modules)</b>		
*Clinical Practice 200	CLP200	35
Special Care for Oral Health 210	SPC210	20
*Radiography 200	RAD200	15
*Local Anaesthesia and Oral Surgery 200	LOS200	10
Oral Diseases 210	ODS210	10
*Clinical Oral Health 201	CON201	15
	<b>Sub-total</b>	<b>140</b>

### G.13.3 Level 3

Module Name	Alpha Code	Cred
<b>1st Semester (select both modules)</b>		
Oral Diseases and Prevention 310	ODP310	25
Health Systems (BOH) 300	HSY300	5
<b>2nd Semester (select module)</b>		
Oral Health Promotion 320	OHP320	20
<b>Year Modules (select all modules)</b>		
*Clinical Practice 300	CLP300	40
Applied Research 300	ARS300	20
Radiological Diagnosis for Oral Health 301	RAD301	10
Ethics and Practice Management (BOH) 312	EPM312	10
*Clinical Oral Health 313	SCP313	10
	<b>Sub-total</b>	<b>140</b>
	<b>TOTAL</b>	<b>400</b>

## G.14 ASSESSMENT

**G.14.1** Assessment is governed by Rule A.5 as stipulated in the University Calendar: General Information Part 1.

**G.14.2** The following faculty assessment conditions will also apply to this programme:

**G.14.2.1** All modules must be passed individually. Assessment, including both formative and summative components, will be done within the modules or during the formal examination period. Assessment will include a minimum of two units/pieces of work per module. Written information regarding assessment of each module will be provided to students at the start of each module. This will include information such as the nature of and mark allocation for assignments, tests, examinations and clinical activities.

**G.14.2.2** For a student to be admitted to the final examination in all clinical modules:

**G.14.2.2.1** S/he must obtain at least 50% in the clinical component of the coursework assessment.

**G.14.2.2.2** S/he must meet the minimum requirements as stipulated in the module guides.

**G.14.2.3 Admission to re-evaluation / supplementary examination**

Admission is governed by Rule A.5.2.6 and A.5.2.7 as stipulated in the University Calendar: General Information Part 1.

**G.15 PROMOTION RULES**

Unless Senate decides otherwise and subject to Rule A.3.2.3 or as provided for in the Faculty rules:

**G.15.1 Level 1**

**G.15.1.1** To qualify for promotion to level 2 of study a student must obtain at least 110 credits for the modules prescribed for level 1. A student shall not be allowed to repeat any first semester modules in the second semester.

**G.15.1.2** A maximum of 10 credits from level 1 modules may be repeated when a student commences with level 2 modules. Modules that can be repeated are Academic Literacy (ALD110), Interdisciplinary Health Promotion (HPD111), Health Development and Primary Health Care (HDP124), Introduction to Xhosa (XHO003) and Introduction to Afrikaans (AFR003), subject to the 10 credit proviso.

**G.15.1.3** A student who repeats level 1 may retain credits for modules passed. However, a student must register for the clinical modules as prescribed for level 1. Refer to the Curriculum G13.1 for the clinical modules indicated with an asterisk (\*). Refer to Rule G.18 for special requirements of the programme.

**G.15.2 Level 2**

**G.15.2.1** To qualify for promotion to level 3 of study, a student must pass all prescribed modules for level 2.

**G.15.2.2** A student who repeats level 2 may retain credits for modules passed. However, the student must register for the clinical modules as prescribed for level 2. Refer to the Curriculum G13.2 for the clinical modules indicated with an asterisk (\*). Refer to Rule G.18 for the special requirements of the programme.

**G.15.3 Level 3**

**G.15.3.1** A student shall complete the degree once 400 credits are obtained and all the requirements for the degree are met.

- G.15.3.2** A student who repeats level 3 must register for all the clinical modules as prescribed for level 3.

Refer to the Curriculum G13.3 for the clinical modules indicated with an asterisk (\*).  
Refer to Rule G.18 for the special requirements of the programme.

## **G.16 ADVANCE REGISTRATION**

Advance registration is not permitted.

## **G.17 RENEWAL OF REGISTRATION**

- G.17.1** Renewal of registration shall be governed by Rule A.3.2.3, as stipulated in the University Calendar: General Information Part 1 or as provided for in the Faculty rules.

- G.17.2** The following conditions shall also apply to the renewal of registration in this programme:

- G.17.2.1** A student who does not qualify to be promoted to level 2 and who has not passed more than 50% of the modules will automatically be re-admitted into the BOH I the following year.
- G.17.2.2** A student who has failed the requirements for promotion to the following year of study in two consecutive calendar years has to apply for re-admission.
- G.17.2.3** Re-admission is subject to specific conditions laid down by the Faculty Board.

## **G.18 SPECIAL REQUIREMENTS FOR THE PROGRAMME**

- G.18.1** A student repeating the year, but who has previously passed a module for which a credit has been granted, may be exempted from the final examination provided that:

- G.18.1.1** the attendance requirements are complied with, and

- G.18.1.2** a continuous assessment mark of 55% is attained.

- G.18.2** A student may retain credit for clinical modules but must satisfy the attendance requirements and obtain a coursework mark of 55%.

- G.18.3** Every student in the Faculty of Dentistry must, in accordance with the requirements of the Health Professions Council of South Africa (HPCSA), register as a hygiene student within two months after registration at the University as well as after completion of the degree. Full particulars are available from the Faculty Office.

- G.18.4** It is compulsory for all level 1 students to submit proof of Hepatitis B vaccination to the Faculty Office before the commencement of the second semester.

- G.18.5** Attendance at all practicals, clinical sessions, seminars, etc. is compulsory. A student who attends less than 80% of lectures for a module will not qualify to sit for the final examination in the module concerned.

**G.18.6** The subminimum rule applies for the following modules which have multiple components:

**G.18.6.1** Clinical Oral Health II (CON201), in which a subminimum of 40% should be attained for each component of the module.

**G.18.6.2** Local Anaesthesia and Oral Surgery (LOS200), in which a subminimum of 40% should be attained for each component of the module.

**G.18.7 Clinical Attire**

A student is responsible for his/her own clinical attire and protective eyewear required during clinical and laboratory sessions, as prescribed by the Faculty.

## **RULES FOR POSTGRADUATE PROGRAMMES**

### **POSTGRADUATE DIPLOMA IN DENTISTRY (5309)**

#### **G.19 ADMISSION**

Unless Senate decides otherwise, a student shall be required to meet the following criteria to be enrolled for the **Postgraduate Diploma in Dentistry - PGDip (as indicated in G.22.1)**:

An applicant must be in possession of the BDS degree of this University or another equivalent qualification recognised by the University, and must be a dentist registered as a dentist/specialist or where applicable, medical practitioner/specialist, with the Health Professions Council of South Africa (HPCSA).

#### **G.20 SELECTION**

Final selection shall be based on an applicant meeting the criteria as determined by the Faculty.

#### **G.21 DURATION**

Unless Senate decides otherwise the duration for the diploma shall extend over two years part-time study.

#### **G.22 DISCIPLINES**

**G.22.1** The Postgraduate Diploma in Dentistry is offered in the following areas of specialisation:

- Aesthetic Dentistry
- Endodontics
- Forensic Dentistry
- Interceptive Orthodontics
- Maxillofacial Radiology
- Minor Oral Surgery
- Oral Pathology (not offered)
- Paediatric Dentistry

**G.22.2** All the programmes comprise two modules. Each module consists of four parts that require the attendance of lectures (except in the case of satellite-mediated teaching), practical sessions, and the completion of an assignment.

**G.22.3** The final assignment for Module I must be submitted before the start of the following examination period.

**G.22.4** In Module II a student may choose either to complete a research paper on a topic negotiated with the supervisor or to complete four coursework components.

**G.22.5** The research paper may take the form of a literature review, a case study, or a research project and must be submitted to the supervisor not less than two months before the start of the November examination period.

## **G.23 CURRICULUM**

### **G.23.1 Level 1**

<b>Module Name (select 1 module)</b>	<b>Alpha Code</b>	<b>Cred</b>
Aesthetic Dentistry 611	ANS611	60
Endodontics 611	END611	60
Forensic Odontology 611	FOD611	60
Interceptive Orthodontics 611	INO611	60
Maxillofacial Radiology 611	MFR611	60
Minor Oral Surgery 611	ORS611	60
Oral Pathology 611	POP611	60
Paediatric Dentistry 611	PED611	60
	<b>Sub-total</b>	<b>60</b>

### **G.23.2 Level 2**

<b>Module Name (select 1 module)</b>	<b>Alpha Code</b>	<b>Cred</b>
Aesthetic Dentistry 612	ANS612	60
Endodontics 612	END612	60
Forensic Odontology 612	FOD612	60
Interceptive Orthodontics 612	INO612	60
Maxillofacial Radiology 612	MFR612	60
Minor Oral Surgery 612	ORS612	60
Oral Pathology 612	POP612	60
Paediatric Dentistry 612	PED612	60
	<b>Sub-total</b>	<b>60</b>
	<b>TOTAL</b>	<b>120</b>

## **G.24 ASSESSMENT**

Assessment is governed by Rule A.5 as stipulated in the University Calendar: General Information Part 1.

## **G.25 PROGRESS RULES**

**G.25.1** For admission to Module II, a student must have passed Module I.

**G.25.2** Unless Senate decides otherwise, a part-time student shall complete the programme in two consecutive years and accumulate at least 60 credits per annum to proceed with his/her studies. A student who has accumulated 60 credits within two years may be allowed to proceed to the following year to complete the programme.

## **G.26 RENEWAL OF REGISTRATION**

Renewal of registration shall be governed by Rule A.4, as stipulated in the University Calendar: General Information Part 1 or as provided for in the Faculty rules.

## **G.27 SPECIAL REQUIREMENTS FOR THE PROGRAMME**

**G.27.1** The nature, scope and contents of each module of the programme are determined by the module coordinator/HOD concerned, in consultation with the Dean of the Faculty.

In addition to attending such modules as may be prescribed, a student shall be required to complete all assignments satisfactorily.

**G.27.2** The Faculty reserves the right not to offer a particular programme in the event of insufficient interest. A prospective student is urged to confirm with the faculty that the programme of his/her choice will be presented in the year concerned.

**G.27.3** The research paper option in Module II may include an oral examination for the final mark.

## **POSTGRADUATE DIPLOMA IN SEDATION AND PAIN CONTROL**

**(5331)** (not offered in 2020)

### **G.28 ADMISSION**

Unless Senate decides otherwise, a student shall be required to meet the following criteria to be enrolled for the **Postgraduate Diploma in Sedation and Pain Control – PGDip (Sedation and Pain Control)**:

An applicant must be in possession of the BDS degree of this University or another equivalent qualification recognised by the University, and must be a dentist registered as a dentist/specialist or where applicable, medical practitioner/specialist, with the Health Professions Council of South Africa (HPCSA).

### **G.29 SELECTION**

Final selection shall be based on an applicant meeting the criteria as determined by the Faculty.

### **G.30 DURATION**

Unless Senate decides otherwise the duration for the degree shall extend over two years part-time study.

### **G.31 CURRICULUM**

#### **G.31.1 Level 1**

<b>Module Name</b>	<b>Alpha Code</b>	<b>Cred</b>
Pain and Sedation 611	PAS611	60
	<b>Sub-total</b>	<b>60</b>

#### **G.31.2 Level 2**

<b>Module Name</b>	<b>Alpha Code</b>	<b>Cred</b>
Pain and Sedation 612	PAS612	60
	<b>Sub-total</b>	<b>60</b>
	<b>TOTAL</b>	<b>120</b>

### **G.32 ASSESSMENT**

Assessment is governed by Rule A.5 as stipulated in the University Calendar: General Information Part 1.

### **G.33 PROGRESS RULES**

**G.33.1** For admission to Module II, a student must have passed Module I.

**G.33.2** Unless Senate decides otherwise, a part-time student shall complete the programme in two consecutive years and accumulate at least 60 credits per annum to proceed with his/her studies. A student who has accumulated 60 credits within two years may be allowed to proceed to the following year to complete the programme.

## **POSTGRADUATE DIPLOMA IN IMPLANTOLOGY (5313)**

### **G.34 ADMISSION**

Unless Senate decides otherwise, a student shall be required to meet the following criteria to be enrolled for the **Postgraduate Diploma in Implantology – PGDip (Implantology)**:

An applicant must be in possession of the BDS degree of this University or another equivalent qualification recognised by the University, and must be a dentist registered as a dentist/specialist or where applicable, medical practitioner/specialist, with the Health Professions Council of South Africa (HPCSA).

### **G.35 SELECTION**

Final selection shall be based on an applicant meeting the criteria as determined by the Faculty.

### **G.36 DURATION**

Unless Senate decides otherwise the duration for the degree shall extend over two years part-time study.

### **G.37 CURRICULUM**

#### **G.37.1 Level 1**

<b>Module Name</b>	<b>Alpha Code</b>	<b>Cred</b>
Implantology 611	IMP611	60
	<b>Sub-total</b>	<b>60</b>

#### **G.37.2 Level 2**

<b>Module Name</b>	<b>Alpha Code</b>	<b>Cred</b>
Implantology 612	IMP612	60
	<b>Sub-total</b>	<b>60</b>
	<b>TOTAL</b>	<b>120</b>

### **G.38 ASSESSMENT**

Assessment is governed by Rule A.5 as stipulated in the University Calendar: General Information Part 1.

### **G.39 PROGRESS RULES**

**G.39.1** For admission to Module II, a student must have passed Module I.

**G.39.2** Unless Senate decides otherwise, a part-time student shall complete the programme in two consecutive years and accumulate at least 60 credits per annum to proceed with his/her studies. A student who has accumulated 60 credits within two years may be allowed to proceed to the following year to complete the programme.

### **G.40 RENEWAL OF REGISTRATION**

Renewal of registration shall be governed by Rule A.4, as stipulated in the University Calendar: General Information Part 1 or as provided for in the Faculty rules.

#### **G.41 SPECIAL REQUIREMENTS FOR THE PROGRAMME**

- G.41.1** The programme comprises of two modules. Each module consists of four parts that require the attendance of lectures (except in the case of satellite-mediated teaching), practical sessions, and the completion of an assignment.
- G.41.2** The final assignment for Module I must be submitted before the start of the following examination period.
- G.41.3** In Module II a student may choose either to complete a research paper on a topic negotiated with the supervisor or to complete four coursework components.
- G.41.4** The research paper may take the form of a literature review, a case study, or a research project and must be submitted to the supervisor not less than two months before the start of the November examination period.
- G.41.5** The nature, scope and contents of each module of the programme are determined by the module coordinator/HOD concerned, in consultation with the Dean of the Faculty. In addition to attending such modules as may be prescribed, a student shall be required to complete all assignments satisfactorily.
- G.41.6** The Faculty reserves the right not to offer a particular programme in the event of insufficient interest. A prospective student is urged to confirm with the faculty that the programme of his/her choice will be presented in the year concerned.
- G.41.7** The final mark for the research paper option in Module II may include an oral examination.

## **MASTER OF SCIENCE (Thesis - 5800)**

### **G.42 ADMISSION**

Unless Senate decides otherwise, a student shall be required to meet the following criteria to be enrolled for the **Master of Science degree – MSc (as indicated in G.45.1)**:

- an appropriate Honour's degree, or
- a Bachelor's degree (e.g. BDS/BChD) with proof of research experience.

### **G.43 SELECTION**

Final selection shall be based on an applicant meeting the criteria as determined by the Faculty.

### **G.44 DURATION**

Unless Senate decides otherwise the duration for the degree shall extend over two years full-time study or over three years part-time study.

### **G.45 CURRICULUM**

**G.45.1** The Master of Science degree is offered in the following areas in dentistry:

- Dental Public Health
- Forensic Dentistry
- Maxillofacial and Oral Surgery
- Maxillofacial Radiology
- Oral Medicine
- Oral Medicine and Periodontology (not offered)
- Orthodontics
- Oral Pathology
- Periodontology
- Restorative Dentistry

<b>Module Name</b>	<b>Alpha Code</b>	<b>Cred</b>
<b>1st Enrolment Code</b>		
Dentistry Masters Thesis 801	DNT801	
<b>2nd Enrolment Code</b>		
Dentistry Masters Thesis 802	DNT802	180
	<b>TOTAL</b>	<b>180</b>

### **G.46 ASSESSMENT**

Assessment is governed by Rule A.5 as stipulated in the University Calendar: General Information Part 1.

### **G.47 PROGRESS RULES**

Registration for the following year of study shall be recommended by the supervisor if in his/her opinion adequate progress has been made during the current year.

#### **G.48 RENEWAL OF REGISTRATION**

Renewal of registration shall be governed by Rule A.4, as stipulated in the University Calendar: General Information Part 1 or as provided for in the Faculty rules.

#### **G.49 SPECIAL REQUIREMENTS FOR THE PROGRAMME**

An MSc degree may be completed by research in any of the disciplines offered by the Faculty. The research proposal must be approved by Senate.

## **MASTER OF SCIENCE (Structured – 5807) / (Clinical – 5801)**

### **G.50 ADMISSION**

Unless Senate decides otherwise a student shall be required to meet the following criteria to be enrolled for the **Master of Science degree – MSc (as indicated in G.53.1)**:

- an appropriate Honours degree, or
- a Bachelor's degree (e.g. BDS/BChD) with proof of research experience, and
- must be registered as a dentist/specialist, or where applicable, medical practitioner/specialist with the Health Professions Council of South Africa (HPCSA).

### **G.51 SELECTION**

Final selection shall be based on an applicant meeting the criteria as determined by the Faculty.

### **G.52 DURATION**

Unless Senate decides otherwise the duration for the degree, depending on the discipline, may extend over two/three years full-time study or over three years part-time study.

### **G.53 DISCIPLINES**

**G.53.1** The Master of Science degree is offered in the following areas in dentistry:

- Dental Public Health
- Forensic Dentistry
- Maxillofacial Radiology
- Oral Medicine
- Periodontology
- Oral Medicine and Periodontology (not offered)
- Oral Pathology
- Paediatric Dentistry
- Restorative Dentistry

**G.53.2** A structured/clinical MSc programme consists of the following:

- prescribed coursework,
- research involving the presentation of a mini-thesis,
- clinical training, and
- work, where appropriate.

**G.53.3** The structure is different for each discipline and is outlined below.

**G.53.4** The clinical MSc option is designed to meet the needs of dentists from foreign countries who maybe academics and have difficulty in obtaining postgraduate training in their own countries.

## **G.54 ASSESSMENT AND PROGRESS RULES**

Registration for the following year of study shall be recommended only if all the required modules for the current year have been completed and passed, and if the supervisor in his/her opinion recommends that adequate progress has been made during the current year.

The final mark for the programme shall be calculated as the average of all modules, weighted according to their respective credit values, unless otherwise described in the programme outlines below.

## **G.55 RENEWAL OF REGISTRATION**

Renewal of registration shall be governed by Rule A.4, as stipulated in the University Calendar: General Information Part 1 or as provided for in the Faculty rules.

## **G.56 CURRICULUM**

### **G.56.1 Master of Science in Dental Public Health**

This Masters programme in Dental Public Health is a flexible learning programme for students on campus or living and working abroad.

#### **G.56.1.1 Aims and Objectives of the programme**

To improve district oral health services by developing the capacity of health personnel to plan, manage and deliver oral health services. The programme focuses on the provision of knowledge, skills and competencies required to run successful oral health programmes. It aims to develop proficiency in community diagnosis, assessment of oral health needs, developing and managing strategies to meet those needs and methods for evaluating oral health services. A student shall graduate from this programme with a unique combination of health care management and applied DPH knowledge and skills that will build on previous training and experience in oral health.

**The programme consists of the following modules:**

<b>Year</b>	<b>Module Name / Activities</b>	<b>Alpha Code</b>	<b>Cred</b>
1	Introduction to Dental Public Health 810	DPH810	20
1	DPH Cases 821	DPH821	20
1-2	Research Methods 811	RMT811	20
2	DPH Cases 851	DPH851	20
2	Dentistry Mini-Thesis 803	DNT803	70
		<b>TOTAL</b>	<b>150</b>

#### **G.56.1.2 Assessment**

50% of the final programme mark is made up of all the modules, except DNT803, weighted according to their credit value. The remaining 50 % is made up of module DNT803.

**G.56.2 Master of Science in Forensic Dentistry**

<b>Year</b>	<b>Module Name / Activities</b>	<b>Alpha Code</b>	<b>Cred</b>
1	Forensic Dentistry 811	FOR811	40
	Oral Pathology 811	PAT811	15
	Oral Biology 811	ORB811	15
	Research Methods 811	RMT811	20
2	Dentistry Mini-Thesis 803	DNT803	70
	<b>TOTAL</b>		<b>160</b>

**G.56.3 Master of Science in Maxillofacial Radiology**

<b>Year</b>	<b>Module Name / Activities</b>	<b>Alpha Code</b>	<b>Cred</b>
1	Oral Pathology 811	PAT811	15
	Radiation Physics/Radiation Protection 821	RAD821	10
	Gross Anatomy – Capita Selecta 825	ANA825	20
	Radiographic Techniques 822	RAD822	20
	Research Methods 811	RMT811	20
	Signs in Maxillofacial Imaging 823	RAD823	35
2	Maxillofacial Radiology and Diagnostic Interpretation 824	RAD824	80
	Dentistry Mini-Thesis 803	DNT803	70
	<b>TOTAL</b>		<b>270</b>

**G.56.4 Master of Science in Oral Medicine**

<b>Year</b>	<b>Module Name / Activities</b>	<b>Alpha Code</b>	<b>Cred</b>
1	Oral Biology 811	ORB811	15
	Oral Pathology 811	PAT811	15
	Research Methods 811	RMT811	20
	Oral Medicine 1A 811	OMD811	70
2	Oral Medicine 2A 812	OMD812	80
	Dentistry Mini-Thesis 803	DNT803	70
	<b>TOTAL</b>		<b>270</b>

**G.56.5 Master of Science in Periodontology**

<b>Year</b>	<b>Module Name / Activities</b>	<b>Alpha Code</b>	<b>Cred</b>
1	Oral Biology 811	ORB811	15
	Oral Pathology 811	PAT811	15
	Research Methods 811	RMT811	20
	Periodontology 1A 811	PER821	70
2	Periodontology 2A 821	PER822	80
	Dentistry Mini-Thesis 803	DNT803	70
	<b>TOTAL</b>		<b>270</b>

### **G.56.6 Master of Science in Oral Medicine and Periodontology** (not offered)

This programme is structured as a part-time MSc (Dent) programme comprising two parts (minimum duration two academic years, maximum period of three academic years unless otherwise approved by the Faculty's Higher Degrees Committee or Senate).

<b>Year</b>	<b>Module Names / Activities</b>	<b>Alpha Code</b>	<b>Cred</b>
1	Oral Biology 811	ORB811	15
	Oral Pathology 811	PAT811	15
	Research Methods 811	RMT811	20
	Oral Medicine 1B 821	OMD821	35
	Periodontology 1B 823	PER823	35
2	Oral Medicine 2B 822	OMD822	40
	Periodontology 2B 824	PER824	40
	Dentistry Mini-Thesis 803	DNT803	70
	<b>TOTAL</b>		<b>270</b>

Upon completion of the programme, a student shall demonstrate a clear understanding of the subject matter in a three hour written examination paper and a 30 minute oral examination. A research report of 5 000 – 7 000 words shall be assessed to determine a student's ability to conduct research independently and should be publishable in a refereed scientific journal.

### **G.56.7 Master of Science in Oral Pathology**

<b>Year</b>	<b>Module Name / Activities</b>	<b>Alpha Code</b>	<b>Cred</b>
1	Basic Pathology 841	PAT841	15
	Applied Histology for Anatomical Pathology 841	ORP841	10
	Molecular Pathology 821	ORP821	10
	Postgraduate Oral Pathology for MSc 811	PAT811	15
	Measuring Health and Disease 856	SPH856	15
	Research Methods 811	RMT811	20
	Anatomical Pathology for MSc 811	ANP811	45
2	Anatomical Pathology for MSc 812	ANP812	40
	Oral Microbiology and Immunology 813	ORM813	15
	Oral Biology 811	ORB811	15
	Clinical Oral Pathology 833	ORP833	10
	Oral and Maxillofacial Pathology for MSc 811	MPO811	30
3	Oral and Maxillofacial Pathology for MSc 812	MPO812	60
	Clinical Oral Pathology 824	ORP824	10
	Academic Placement in Oral Pathology 815	ORP815	10
	Dentistry Mini-Thesis 803	DNT803	70
	<b>TOTAL</b>		<b>390</b>

### **G.56.8 Master of Science in Paediatric Dentistry**

The aim of this programme is to improve the oral health care of infants, children, adolescents and children with special needs through appropriate preventive, educational and treatment services.

<b>Year</b>	<b>Module Name / Activities</b>	<b>Alpha Code</b>	<b>Cred</b>
1	Paediatric Dentistry 811	PED811	60
	Oral Biology 811	ORB811	15
	Research Methods 811	RMT811	20
	Interceptive Orthodontics 821	INO821	10
	Oral Pathology 811	PAT811	15
2	Paediatric Dentistry 812	PED812	80
	Interceptive Orthodontics 822	INO822	5
	Dentistry Mini-Thesis 803	DNT803	70
	<b>TOTAL</b>		<b>275</b>

The clinical coursework is conducted at various sites, which include a community health setting, academic setting and a children's hospital.

### **G.56.9 Master of Science in Restorative Dentistry**

This programme is a full-time programme over three years designed for foreign nationals who are highly motivated general practitioners who would like to further develop their knowledge, clinical and technical skills in a component of Restorative Dentistry. It is offered by the department in association with specialists in private practice.

The programme covers:

- Advanced Fixed Restorative Dentistry
- Basic Operative Dentistry
- Dental Materials
- Endodontics
- Implantology
- Prosthetics

### **Modules**

<b>Year</b>	<b>Module Name / Activities</b>	<b>Alpha Code</b>	<b>Cred</b>
1	Oral Biology 811	ORB811	15
	Radiology 812	RAD812	5
	Restorative Dentistry 811	RST811	100
	Research Methods 811	RMT811	20
2	Restorative Dentistry 812	RST812	100
3	Restorative Dentistry 813 or	RST813	80
	Prosthetics 853	PRS853	80
	Dentistry Mini-Thesis 803	DNT803	70
	<b>TOTAL</b>		<b>390</b>

A student shall be expected to have in-depth knowledge of and be proficient in all aspects of diagnosis, treatment planning, and clinical treatment and follow-up of patients requiring advanced comprehensive care in the selected sub-discipline. All cases must be fully documented and presented to the Department prior to the commencement of the treatment.

#### **G.56.9.1 ASSESSMENT**

The evaluation process is based on:

Coursework	40%
Mini-Thesis	25%
Final examination (RST813 or PRS853)	35%

According to the University rules a sub-minimum of 50% for the final examination is required and a final mark of at least 50% is required for a pass to be awarded.

## **MASTER OF DENTAL SURGERY (Structured – 5881) / (Clinical – 5811)**

### **G.57 ADMISSION**

Unless Senate decides otherwise, a student shall be required to meet the following criteria to be enrolled for the **Master of Dental Surgery degree – MDS/MChD (as indicated in G.62)**:

**G.57.1** Be registered as a dentist with the Health Professions Council of South Africa with an appropriate dental degree.

**G.57.2** Have a minimum of two years post-qualification experience unless otherwise decided by the Senate.

**G.57.3** Additional admission requirements for the MDS/MChD (Maxillofacial Oral Surgery):

- have successfully completed the Part I A or equivalent; or
- PGDip (Minor Oral Surgery) or equivalent; or
- MBChB or equivalent.

**G.57.4** Admission to the MDS/MChD programme is dependent on the availability of funded posts from the Department of Health. Currently, only South African citizens are eligible for admission to this programme.

### **G.58 PROGRAMME STRUCTURE**

The programme consists of the following:

- prescribed coursework,
- clinical training, and
- research involving the presentation of a mini-thesis.

A structured/clinical MSc programme consists of the following:

- prescribed coursework,
- research involving the presentation of a mini-thesis,
- clinical training, and
- work, where appropriate.

**G.58.1** If, in the opinion of the Senate, a student is able to give evidence of existing relevant qualifications, or equivalent training and experience gained at another recognised institution, s/he may, on recommendation of the Faculty Board, be exempted from attendance of Part I (complete or partial) of the prescribed programmes and may proceed to Part II on such conditions.

### **G.59 ASSESSMENT AND PROGRESS RULES**

Registration for the following year of study shall be recommended only if all the required modules for the current year have been completed and passed and if the supervisor in his/her opinion recommends that adequate progress has been made during the current year.

The final mark for the programme shall be calculated as the average of all modules, weighted according to their respective credit values, unless otherwise described in the programme outlines below.

## G.60 RENEWAL OF REGISTRATION

Renewal of registration shall be governed by Rule A.4, as stipulated in the University Calendar: General Information Part 1 or as provided for in the Faculty rules.

## G.61 DISCIPLINES

The Master of Dental Surgery programme is offered in the following disciplines:

- Community Dentistry
- Maxillofacial and Oral Surgery
- Oral Medicine and Periodontics
- Orthodontics
- Oral Pathology
- Prosthodontics

## G.62 CURRICULUM

### G.62.1 Master of Dental Surgery in Community Dentistry

Year	Module Name / Activities	Alpha Code	Cred
1	Introduction to Dental Public Health 811	DPH811	20
	DPH Cases 821	DPH821	20
	Measuring Health and Disease 713	SPH713	20
	DPH Cases 831	DPH831	20
	Academic Placement 841	DPH841	20
	<b>Sub-total</b>		<b>100</b>
2	Research Methods 811	RMT811	20
	Measuring Health and Disease 813	SPH813	20
	Behavioural Science and Dentistry 812	DPH812	20
	Field Placement 822	DPH822	30
	Academic Placement 842	DPH842	20
	<b>Sub-total</b>		<b>110</b>
3	Health Management 714	SPH714	20
	Health Human Resources 727	SPH727	20
	Health Economics 813	DPH813	20
	Field Placement 2 823	DPH823	30
	Academic Placement 824	DPH824	30
	Selective 1		20
	<b>Sub-total</b>		<b>140</b>
4	Selective 2		20
	Field Placement 837	DPH837	30
	Field Placement 838	DPH838	30
	Academic Placement 834	DPH834	20
	Dentistry Mini-Thesis 803	DNT803	70
	Applied Dental Public Health 839	DPH839	30
	<b>Sub-total</b>		<b>200</b>
	<b>TOTAL</b>		<b>550</b>

All modules, except mini-thesis DNT803, will contribute 60% to the final programme mark weighted according to their credit value. The mini-thesis module DNT803 will contribute 40% to the final programme mark.

#### G.62.2 Master of Dental Surgery in Maxillofacial & Oral Surgery

Year	Modules Name / Activities	Alpha Code	Cred
1	Oral Biology 811	ORB811	15
	Anatomy 811	ANA811	15
	Physiology 811	PSE811	15
	General Pathology 812	PAT812	15
	Maxillofacial Oral Surgery 811	MFO811	80
	<b>Sub-total</b>		<b>140</b>
2	Oral Biology 811	ORB811	See Year 1
	Anatomy 811	ANA811	See Year 1
	Physiology 811	PSE811	See Year 1
	General Pathology 812	PAT812	See Year 1
	Maxillofacial Oral Surgery 812	MFO812	100
	Oral Pathology including MF Radiology 813	PAT813	See year 3
	Principles of General Surgery 812	SUR812	See Year 3
	Research Methods 811	RMT811	20
	<b>Sub-total</b>		<b>120</b>
3	Maxillofacial Oral Surgery 813	MFO813	20
	Oral Pathology, including MF Radiology 813	PAT813	40
	Principles of General Surgery 812	SUR812	40
	<b>Sub-total</b>		<b>100</b>
4	Maxillofacial Oral Surgery 814	MFO814	100
	Dentistry Mini-Thesis 803	DNT803	70
	<b>Sub-total</b>		<b>170</b>
5	Maxillofacial Oral Surgery 815	MFO815	100
	<b>Sub-total</b>		<b>100</b>
	<b>TOTAL</b>		<b>630</b>

#### G.62.3 Master of Dental Surgery in Oral Medicine and Periodontics

Year	Modules Name / Activities	Alpha Code	Cred
1	Anatomy (capita selecta) 823	ANA823	15
	Physiology (capita selecta) 824	ANA824	15
	Oral Biology 811	ORB811	15
	General Pathology 812	PAT812	See Year 2
	Oral Medicine and Periodontics 811	OMP811	60
	<b>Sub-total</b>		<b>105</b>
2	General Pathology	PAT812	15
	Oral Medicine and Periodontics 812	OMP812	80
	Anatomy (capita selecta) 823	ANA823	See Year 1
	Physiology (capita selecta) 824	ANA824	See Year 1
	Oral Biology 811	ORB811	See Year 1
	Research Methods 811	RMT811	20
	<b>Sub-total</b>		<b>115</b>

3	Oral Pathology and Radiology (Diagnostic level) for Maxillofacial Oral Surgery 813	PAT813	40
	Oral Medicine and Periodontics 813	OMP813	100
		<b>Sub-total</b>	<b>140</b>
4	Oral Medicine and Periodontics 814	OMP814	80
	Dentistry Mini-Thesis 803	DNT803	70
		<b>Sub-total</b>	<b>150</b>
		<b>TOTAL</b>	<b>510</b>

#### G.62.3.1. Assessment

The final programme mark will be based on the results of the two final-year modules: 75% OMP814 and 25% DNT803.

#### G.62.4. Master of Dental Surgery in Orthodontics

Year	Modules Name / Activities	Alpha Code	Cred
1	Oral Biology (Including Anatomy and Physiology) 821	ORB821	30
	Removable Appliances 811	ORT811	10
	Pre-clinical Orthodontics 821	ORT821	20
	Academic Placement 812	ORT812	15
	Orthodontic Seminars 841	ORT841	20
	Clinical Orthodontics 851	ORT851	25
		<b>Sub-total</b>	<b>120</b>
2	Research Methods 811	RMT811	20
	Academic Placement 815	ORT815	20
	Orthodontic Seminars 822	ORT822	30
	Clinical Orthodontics 832	ORT832	50
		<b>Sub-total</b>	<b>120</b>
3	Academic Placement 813	ORT813	20
	Orthodontic Seminars 823	ORT823	30
	Clinical Orthodontics 833	ORT833	50
		<b>Sub-total</b>	<b>100</b>
4	Academic Placement 834	ORT834	20
	Orthodontic Seminars 814	ORT814	40
	Clinical Orthodontics 824	ORT824	40
	Dentistry Mini-Thesis 803	DNT803	70
		<b>Sub-total</b>	<b>170</b>
		<b>TOTAL</b>	<b>510</b>

#### G.62.4.1 Assessment

Modules ORT841, ORT822, ORT823, ORT814, ORT851, ORT832, ORT833, ORT824 and DNT803,

contribute to the final mark for the programme, using the following weightings:

ORT841, ORT822, ORT823, ORT814 (35%)  
ORT851, ORT832, ORT833, ORT824 (45%)  
DNT803 (20%)

### G.62.5 Master of Dental Surgery in Oral Pathology

Year	Module Name / Activities	Alpha Code	Cred
1	Histology for Anatomical Pathology 811	ORP811	15
	Molecular Pathology 821	ORP821	10
	Anatomical Pathology and Morbid Anatomy including Cytopathology 831	ORP831	90
		<b>Sub-total</b>	<b>115</b>
2	Anatomical Pathology and Morbid Anatomy including Cytopathology 822	ORP822	90
	Introduction to Laboratory and Clinical Pathology (rotation) 832	ORP832	30
	Research Methods 811	RMT811	20
		<b>Sub-total</b>	<b>140</b>
3	Oral Biology 811	ORB811	15
	Oral Microbiology and Immunology 813	ORM813	15
	Diagnostic Oral and Maxillofacial Pathology 823	ORP823	50
	Clinical Oral Pathology (rotation) 833	ORP833	10
	Forensic Odontology (rotation) 813	FOR813	10
		<b>Sub-total</b>	<b>100</b>
4	Diagnostic Oral and Maxillofacial Pathology 814	ORP814	60
	Clinical Oral Pathology (rotation) 824	ORP824	10
	Forensic Odontology (rotation) 814	FOR814	10
	Dentistry Mini-Thesis 803	DNT803	70
		<b>Sub-total</b>	<b>150</b>
		<b>TOTAL</b>	<b>505</b>

### G.62.6 Master of Dental Surgery in Prosthodontics

Year	Module Name / Activities	Alpha Code	Cred
1	Oral Biology (Including Anatomy and Physiology) 821	ORB821	30
	Prosthodontics 811	PRS811	90
		<b>Sub-total</b>	<b>120</b>
2	Oral Pathology 811	PAT811	15
	Periodontics and Periodontal Aspects of Implantology 812	PER812	15
	Radiology 812	RAD812	5
	Prosthodontics 812	PRS812	65
	Research Methods 811	RMT811	20
		<b>Sub-total</b>	<b>120</b>
3	Prosthodontics 813	PRS813	120
		<b>Sub-total</b>	<b>120</b>
4	Prosthodontics 814	PRS814	80
	Dentistry Mini-Thesis 803	DNT803	70
		<b>Sub-total</b>	<b>150</b>
		<b>TOTAL</b>	<b>510</b>

#### G.62.6.1 Assessment

The final mark is calculated as follows:

- 80% - Coursework (PRS811, 10%; PRS812, 15%; PRS813, 25%; PRS814, 50%)
- 20% - Dentistry Mini-thesis DNT803

## **DOCTOR OF PHILOSOPHY (5901)**

### **G.63 ADMISSION**

Unless Senate decides otherwise, a candidate shall be required to meet the following criteria to be enrolled for the **Doctor of Philosophy degree - PhD (as indicated in G.66)**:

- (a) a candidate shall have obtained a Master's degree or equivalent qualification in the subject s/he wishes to study and submit proof thereof, and
- (b) satisfied Senate as to his/her proficiency in the subject.
- (c) It is possible to do a PhD degree by research in any of the disciplines offered by the Faculty. The research proposal must be approved by Senate.

### **G.64 SELECTION**

Final selection shall be based on an applicant meeting the criteria as determined by the Faculty.

### **G.65 DURATION**

Unless Senate decides otherwise, the duration of the degree is subject to Rule A.4.4 in the University Calendar Part 1.

### **G.66 CURRICULUM**

The programme is offered in the following areas:

- Dental Public Health
- Forensic Dentistry
- Maxillofacial Radiology
- Oral Medicine
- Oral Medicine and Periodontology
- Oral Pathology
- Paediatric Dentistry
- Periodontology
- Restorative Dentistry

<b>Module Name (select 1 module)</b>	<b>Alpha Code</b>	<b>Cred</b>
<b>1st Enrolment Code</b>		
Dentistry Doctoral Thesis 901	DNT901	360
<b>2nd Enrolment Code</b>		
Dentistry Doctoral Thesis 902	DNT902	
	<b>TOTAL</b>	<b>360</b>

### **G.67 ASSESSMENT**

Assessment is governed by Rule A.5 as stipulated in the University Calendar: General Information Part 1.

### **G.68 PROGRESS RULES**

Registration for the following year of study shall be recommended by the supervisor if in his/her opinion adequate progress has been made during the current year.

### **G.69 RENEWAL OF REGISTRATION**

Renewal of registration shall be governed by Rule A.4, as stipulated in the University Calendar: General Information Part 1 or as provided for in the Faculty rules.

## **DOCTOR OF SCIENCE IN ODONTOLOGY (5911)**

### **G.70 ADMISSION**

Unless Senate decides otherwise, a candidate shall be required to meet the following criteria to be enrolled for the **Doctor of Science in Odontology degree – DSc (Odontology)**:

- G.70.1** a prospective candidate should give the Faculty notice in writing, not less than one year in advance, of intention to present him/herself for the degree, stating the title(s) and scope of the work(s) proposed;
- G.70.2** holds a PhD degree, or another qualification deemed by the Senate to be of equal standing;
- G.70.3** has performed, to the University's satisfaction, advanced original research and/or creative work in the field of Dentistry;
- G.70.4** has published original research in accredited journals that are of a high standard, that deal with a central theme, and that in the Senate's opinion are evidence that the candidate has made a contribution of substance and of high quality to the enrichment of knowledge in the field of Dentistry; and
- G.70.5** has been registered as a candidate at this University for not less than one academic year before conferment of the degree.

### **G.71 SUBMISSION OF THESIS**

- G.71.1** A candidate must submit three copies of the thesis to the University, including the prescribed declaration to the effect that the thesis and its publications have not previously been submitted to any other university for a degree.
- G.71.2** If a significant portion of the work has not been published under the candidate's own name alone, s/he shall furnish satisfactory evidence of his/her own share in the work, who initiated the work, under whose guidance it took place, who performed the work, who put it in writing, and what part of the work, if any, has previously been submitted to the University for a degree.

### **G.72 OPERATION OF GENERAL PROVISIONS**

The General Rules for Doctor's Degree (A1, 2.1, 2.5, 3, 3.4, 4.4, 5.1, 5.5 & 6) are applicable.

## **UNDERGRADUATE MODULE DESCRIPTORS**

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Clinical Oral Health I
<b>Generic Module Name</b>	Clinical Oral Health 120
<b>Alpha-numeric Code</b>	<b>ADP120</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe and illustrate the role of the professional oral hygienist in their manner of conduct.</li> <li>• Describe the scope of practice of hygienists in SA.</li> <li>• Describe the role and function of the hpcsa.</li> <li>• Describe the various disciplines in dentistry: definitions, scope of practice within the dental team concept.</li> <li>• Explain the role and responsibilities of the dental team in the clinical environment.</li> <li>• Perform assisting functions in general, specialist clinics, radiology and theatre.</li> <li>• Prepare treatment trays with dental instruments.</li> <li>• Prepare and mix the various dental materials.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• The history of the oral hygiene profession</li> <li>• The definition of oral hygienists and the application of this definition in the sa context</li> <li>• The scope of practice of the hygienist in sa</li> <li>• The professional role(s) of the oral hygienist in sa</li> <li>• Introduction to ethics in dentistry</li> <li>• The role and functions of the hpcsa (website)</li> <li>• An introduction to the different professions and disciplines in dentistry and their scope of practice</li> <li>• The role of the hygienist in the various disciplines</li> <li>• The dental surgery and office management</li> <li>• The role of members of the dental team, including medical members and their contribution to dentistry</li> <li>• Patient reception and etiquette</li> <li>• Dental team concepts</li> <li>• Review infection control procedures – sterilization and autoclaving</li> <li>• General and specialist clinics and the departments within each</li> <li>• Dental materials, hand and rotary instruments and equipment used in each type of discipline, treatment procedure and in theatre</li> </ul>

	<ul style="list-style-type: none"><li>• Practical exposure in each discipline, theatre and sterilization</li><li>• Administration tasks such as record keeping, filing and appointments</li></ul>			
Pre-requisite modules	None			
Co-requisite modules	None			
Prohibited module Combination	None			
Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	90	Lectures p.w.	2	Assignments & tasks Self-study
Assignments & tasks:	20	Practicals p.w.	2	
Practicals:	40	Tutorials p.w.	0	
Assessments:	10			
Selfstudy:	40			
Other:	0			
Total Learning Time	200			
Methods of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
Assessment Module type	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Afrikaans and Nederlands
<b>Module Topic</b>	Introduction to Afrikaans
<b>Generic Module Name</b>	Introduction to Afrikaans 003 (BOH)
<b>Alpha-numeric Code</b>	<b>AFR003</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the position of Afrikaans relevant to the other languages in South Africa and in the immediate professional environment.</li> <li>• Read, write, and understand basic Afrikaans appropriate to the dental clinical content.</li> <li>• Use Afrikaans for basic communication with patient, including the use of appropriate vocabulary and correct grammar.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Afrikaans in context</li> <li>• Dental clinic vocabulary</li> <li>• Basic grammar</li> <li>• Basic reading, writing, speaking, and understanding</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None

Prohibited module Combination	None			
Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	42	Lectures p.w.	0	Assignments & tasks
Assignments & tasks:	12	Practicals p.w.	0	
Practicals:	0	Tutorials p.w.	0	
Assessments:	4			
Selfstudy:	42			
Other:	0			
Total Learning Time	100			
Methods of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
Assessment Module type	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Arts
<b>Home Department</b>	Afrikaans and Nederlands
<b>Module Topic</b>	Introduction to Afrikaans
<b>Generic Module Name</b>	Introduction to Afrikaans (Dentistry) 120
<b>Alpha-numeric Code</b>	<b>AFR120</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the position of Afrikaans relevant to the other languages in South Africa and in the immediate professional environment.</li> <li>• Read, write and understand basic Afrikaans appropriate to the dental clinical content.</li> <li>• Use Afrikaans for basic communication with patient, including the use of appropriate vocabulary and correct grammar.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Afrikaans in context</li> <li>• Dental clinic vocabulary</li> <li>• Basic grammar</li> <li>• Basic reading, writing, speaking, and understanding</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	42	Lectures p.w.	0	Assignments & task
Assignments & tasks:	12	Practicals p.w.	0	
Practicals:	0	Tutorials p.w.	0	
Assessments:	4			
Selfstudy:	42			
Other:	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Academic Literacy
<b>Generic Module Name</b>	Academic Literacy 110
<b>Alpha-numeric Code</b>	<b>ALD110</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BOH (5211) BDS (5101)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the consequence of lifestyle choices.</li> <li>• Explain the meaning of and generate academic text in oral health.</li> <li>• Produce an academically acceptable document in the form of a report/ essay/ assignment.</li> <li>• Prepare for examinations using appropriate study skill strategies.</li> <li>• Use greek and latin roots to explain the meaning of dental terms.</li> <li>• Use digital media to create word documents, spreadsheets, and powerpoint presentations.</li> <li>• Access information electronically.</li> <li>• Use e-mail.</li> <li>• Complete assessments using the learning management system.</li> </ul>
<b>Main Content</b>	<p><b>Life competencies</b></p> <ul style="list-style-type: none"> <li>• Problem solving</li> <li>• Skills for a balanced lifestyle</li> <li>• Communication</li> </ul> <p><b>Academic competencies</b></p> <ul style="list-style-type: none"> <li>• Information literacy</li> <li>• Scientific reading</li> <li>• Scientific writing</li> </ul>

	<ul style="list-style-type: none"> <li>• Note-taking skills</li> </ul> <b>Study strategies - Digital literacy</b> <ul style="list-style-type: none"> <li>• Basic computer competence</li> <li>• Using packages (word, excel, powerpoint)</li> <li>• Groupwise</li> <li>• Turn-it-in</li> <li>• Learning management system</li> <li>• Google drive</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	30	<i>Lectures p.w.</i>	3
<i>Assignments &amp; tasks:</i>	25	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	5	<i>Tutorials p.w.</i>	0
<i>Lab time in class:</i>	14		
<i>Group work outside class:</i>	15		
<i>Selfstudy:</i>	0		
<i>Consultation</i>	7		
<i>Tests</i>	4		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Conservative Dentistry
<b>Module Topic</b>	Advanced Dental Materials
<b>Generic Module Name</b>	Advanced Dental Materials 400
<b>Alpha-numeric Code</b>	<b>AMD400</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Differentiate between the various groups of advanced dental materials and their clinical uses.</li> <li>• Select appropriate material/s for specific clinical situations.</li> <li>• Handle advanced dental materials appropriately according to the type of material and according to their clinical situation.</li> </ul>

	<ul style="list-style-type: none"> <li>Explain and take into account the effects of occlusal forces and other intra-oral factors on successful placement, durability, and biological compatibility of advanced dental materials for both fixed and removable prosthodontics.</li> </ul>		
<b>Main Content</b>	<p>The module will include</p> <ul style="list-style-type: none"> <li>Introduction to the classification, mechanical and chemical properties and the use of advanced dental materials</li> <li>Classification, composition, properties, uses and handling of the following indirect restorative materials               <ul style="list-style-type: none"> <li>Porcelain systems</li> <li>Ceramics</li> <li>Metal alloys</li> <li>Conventional endodontic post systems</li> <li>Aesthetic post systems</li> <li>Core materials for endodontic post systems</li> <li>Soft bases in prosthetics</li> </ul> </li> <li>Classification, composition, setting reaction, properties, uses and handling of the following advanced restorative materials               <ul style="list-style-type: none"> <li>Temporary restorative materials</li> <li>Luting cements</li> <li>Bite registration materials in fixed and removable prosthodontics</li> </ul> </li> <li>Everyday materials needed/used for laboratory procedures in fixed and removable prosthodontics</li> <li>Classification, properties, handling of vital bleaching agents patient selection for vital bleaching procedures</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	5	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	15		
<i>Selfstudy:</i>	20		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Anaesthesiology and Sedation		
<b>Module Topic</b>	Anaesthesiology and Sedation		
<b>Generic Module Name</b>	Anaesthesiology and Sedation 400		
<b>Alpha-numeric Code</b>	<b>ANS400</b>		
<b>NQF Level</b>	8		
<b>NQF Credit Value</b>	10		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	4		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Evaluate a patient before anaesthesia and operation.</li> <li>• Explain the practice of anaesthesia, including drug usage, preparation and choices of patients, techniques and complications.</li> <li>• Competently administer conscious sedation in dental practice.</li> <li>• Administer life support in both anaesthesia and emergency situations.</li> </ul>		
<b>Main Content</b>	<p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>• Physiology – cardiovascular, central nervous and respiratory systems</li> <li>• Conscious sedation, including relative analgesia – background, equipment, patients, techniques, etc.</li> <li>• Pharmacology related to anaesthesia</li> <li>• Premedication; muscle relaxants and endotracheal intubation</li> <li>• Operating theatre techniques and the anaesthetic theatre machines</li> <li>• Conduct of anaesthesia; monitoring and post-operative care</li> <li>• Anaesthetic complications; cardio-pulmonary resuscitation</li> <li>• Anaphalaxis, allergy and the toxic effects of local anaesthetic drugs</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	15	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		

<i>Selfstudy:</i>	15			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Oral Hygiene			
<b>Module Topic</b>	Applied Research			
<b>Generic Module Name</b>	Applied Research 300			
<b>Alpha-numeric Code</b>	<b>ARS300</b>			
<b>NQF Level</b>	7			
<b>NQF Credit Value</b>	20			
<b>Duration</b>	Year			
<b>Proposed semester to be offered</b>	Both Semesters			
<b>Programmes in which the module will be offered</b>	BOH (5211)			
<b>Year level</b>	3			
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Carry out a basic research project in oral health that is appropriate for the practice of the oral hygienist.</li> <li>• Present the research findings in an oral and written form to colleagues.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Orientation to health sciences research</li> <li>• Research and theory</li> <li>• Ethical considerations</li> <li>• The research process</li> <li>• Selecting and identifying research problems</li> <li>• The literature review</li> <li>• The research question, formulating a hypothesis and preparing the research proposal</li> <li>• Quantitative research</li> <li>• Qualitative research designs</li> <li>• Sampling</li> <li>• Data collection</li> <li>• Data quality</li> <li>• Data analysis</li> <li>• Research reports and evaluation</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	90	<i>Lectures p.w.</i>	2	Assignments & tasks
<i>Assignments &amp; tasks:</i>	15	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	1	

<b>Assessments:</b>	5			
<b>Selfstudy:</b>	0			
<b>Other:</b>	90			
<b>Total Learning Time</b>	<b>200</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Conservative Dentistry			
<b>Module Topic</b>	Advanced Restorative Techniques			
<b>Generic Module Name</b>	Advanced Restorative Techniques 510			
<b>Alpha-numeric Code</b>	<b>ART510</b>			
<b>NQF Level</b>	8			
<b>NQF Credit Value</b>	10			
<b>Duration</b>	Semester			
<b>Proposed semester to be offered</b>	First Term			
<b>Programmes in which the module will be offered</b>	BDS (5101)			
<b>Year level</b>	8			
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Diagnose and manage occlusal disharmony.</li> <li>• Construct an occlusal splint.</li> <li>• Prepare teeth to receive cast (indirect) restorations.</li> <li>• Prepare teeth to receive extracoronal restorations.</li> <li>• Prepare teeth to receive fixed partial dentures.</li> <li>• Fabricate provisional restorations.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Articulators and occlusions</li> <li>• Occlusal splints</li> <li>• Acid-etched retained prosthesis</li> <li>• Veneers</li> <li>• Inlays, onlays</li> <li>• Crowns (all porcelain and porcelain-fused-to-metal)</li> <li>• Post and cores for endodontically treated teeth</li> <li>• Fixed partial dentures</li> <li>• Provisional restorations</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	32	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	4	
<i>Practicals:</i>	60	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	8			

<i>Selfstudy:</i>	0			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative
<b>Module Topic</b>	Basics of Dental Materials
<b>Generic Module Name</b>	Basics of Dental Materials 200
<b>Alpha-numeric Code</b>	<b>BDM200</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	5
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	2
<b>Main outcomes:</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the physicochemical principles that underlie the properties of dental materials.</li> <li>• Explain the role that these properties play in the storage, handling, placement, setting and intra-oral function of that material.</li> <li>• Handle the everyday laboratory materials gypsum and wax appropriately.</li> <li>• Discuss the properties of an ideal restorative dental material.</li> <li>• Classify common restorative and impression materials.</li> <li>• Explain the constituents of common restorative and impression materials.</li> </ul>
<b>Main content:</b>	<p>The module will include:</p> <ul style="list-style-type: none"> <li>• Physical and Chemical Principles of Dental Materials:</li> <li>• Structure of solids (interatomic bonding, crystalline solids, nature of metals and alloys)</li> <li>• Mechanical properties (force, strain, stress, strain-stress curves, tensile and compressive properties, fatigue strength, hardness and abrasion resistance)</li> <li>• Rheological properties (viscosity, flow, visco-elasticity)</li> <li>• Thermal properties (conductivity and expansion)</li> <li>• Light, colour and colour perception (light transmission, absorption, scattering, opacity, translucency, transparency, colour measurement)</li> <li>• Principles of adhesion and bonding (micro-mechanical)</li> <li>• Adhesion, wettability, surface energy/ surface tension, contact angle, viscosity and bonding)</li> <li>• Polymers and polymerization (basic nature of polymers, spatial structures, mechanisms of polymerisation)</li> </ul>

	<ul style="list-style-type: none"> <li>• Tarnish and Corrosion (electrochemistry, examples of corrosion, galvanic pain)</li> <li>• Everyday materials used for laboratory or pre-clinical/clinical procedures</li> <li>• Gypsum products</li> <li>• Waxes</li> <li>• Introduction and classification of impression materials</li> <li>• Introduction and classification of common restorative dental materials, i.e. Dental amalgam, resin composites, glass ionomers</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	15	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	15	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	15		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Pathology
<b>Module Topic</b>	Pathology
<b>Generic Module Name</b>	Basis of Disease Processes 220
<b>Alpha-numeric Code</b>	<b>BDP220</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	15
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the different causes (aetiology) of diseases, including microorganisms and viruses (infective aetiological factors of diseases).</li> <li>• Discuss the different possible events (pathogenesis) which can occur following exposure to aetiological factors and which lead to damage and/or death of cells and tissue in humans.</li> </ul>

	<ul style="list-style-type: none"> <li>Describe the changes in normal morphology and function that can result from cell damage or cell death, and how this can cause clinical symptoms and signs.</li> <li>Correctly use the terminology of pathology in oral and written communication.</li> <li>Demonstrate mastery of the principles of antimicrobial therapy and hospital hygiene.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>General characteristics, classification and properties of bacteria and viruses</li> <li>Introduction to pathology and basic terminology</li> <li>Characteristics, classification and incidence of disease</li> <li>Genetic and environmental causes of disease</li> <li>Diagnostic pathology in clinical practice</li> <li>The laboratory diagnosis of microbiological and viral infections</li> <li>Bacterial metabolism, physiology, genetics and antibiotic resistance</li> <li>Pathogenicity and virulence of bacteria</li> <li>Medically important bacteria, fungi and parasites</li> <li>Antibacterial medications</li> <li>Infection control, sterilization and disinfection</li> <li>Pathogenesis and epidemiology of viral infections</li> <li>Immune response to viral infections</li> <li>Disorders of growth, differentiation and morphogenesis</li> <li>Responses to cellular injury</li> <li>Disorders of metabolism and homeostasis</li> <li>Ischaemia, infarction and shock</li> <li>Immunology and immunopathology</li> <li>Acute and chronic inflammation</li> <li>Carcinogenesis and neoplasia</li> <li>Ageing and death</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	2
<i>Assignments &amp; tasks:</i>	21	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	8	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	6		
<i>Selfstudy:</i>	20		
<i>Other:</i>	45		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Natural Sciences
<b>Home Department</b>	Chemistry
<b>Module Topic</b>	Chemistry for Dentistry
<b>Generic Module Name</b>	Chemistry 118
<b>Alpha-numeric Code</b>	<b>CHE118</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	15
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Apply the following chemical concepts and principles to qualitatively engage with real-world phenomena or examples: accepted symbolic conventions; models for understanding structure and bonding; links between electronic structure and reactivity; and mass and energy balance in chemical reactions.</li> <li>• Solve quantitative chemistry problems, both in familiar and novel contexts.</li> <li>• Conduct simple scientific investigations, including the collection, handling and interpretation of experimental data.</li> <li>• Conduct research using the library, the web and other sources of information.</li> <li>• Reference sources of information correctly.</li> <li>• Use the internet and computer-based word-processing, spreadsheet, and presentation software to complete selected tasks.</li> <li>• Recognise the relationship of chemistry to society, technology and the environment.</li> <li>• Begin to develop life-long learning capabilities and to see chemistry as discipline in a wider context.</li> <li>• Present a clear, well-structured oral presentation and well-structured practical reports.</li> <li>• Work productively in co-operative learning groups.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Basic concepts of chemistry</li> <li>• Atoms, molecules and ions</li> <li>• Chemical reactions</li> <li>• Quantitative information about chemical reactions (Stoichiometry)</li> <li>• Atomic structure and periodic trends</li> <li>• Bonding and molecular structure</li> <li>• Gases and their properties</li> <li>• Electron transfer reactions</li> <li>• The chemistry of acid and bases</li> <li>• Hydrocarbons, Alcohols and Ethers, Aldehydes and Ketones,</li> </ul>

	<ul style="list-style-type: none"> <li>Carboxylic Acids and Esters, Amines and Amides, Carbohydrates, Proteins, Lipids</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	3
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	30	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	15		
<i>Selfstudy:</i>	45		
<i>Other:</i>	0		
<b>Total Learning Time</b>	150		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Clinical Dentistry I
<b>Generic Module Name</b>	Clinical Dentistry 100
<b>Alpha-numeric Code</b>	<b>CLD100</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered.</b>	Both semesters
<b>Programmes in which the module will be offered.</b>	BDS (5101)
<b>Year Level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>Identify and describe oral tissues (incl the periodontium) in health and disease.</li> <li>Identify and describe tooth accumulated materials.</li> <li>Describe and apply key concepts in the ethics of health care.</li> <li>Describe the various disciplines of clinical dental practice.</li> <li>Identify the facilities related to Dentistry and infrastructure of the main teaching bases.</li> <li>Describe and implement the code of conduct in a clinical setting?</li> <li>Describe basic principles and methods of infection control/waste management in the clinical environment.</li> <li>Describe oral health education and communication in dentistry.</li> </ul>

	<ul style="list-style-type: none"> <li>Identify and prevent occupational hazards in the dental setting.</li> <li>Assist and observe profession specific procedures and duties appropriate for a first year student.</li> <li>Work effectively in a clinical setting; record and report on clinical procedures observed.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>The macroscopic anatomy of the periodontium</li> <li>The mouth in health and disease</li> <li>Tooth morphology</li> <li>Introduction to Communication and Oral Health Education</li> <li>Introduction to Infection Control in the clinical environment</li> <li>Ethics in Health Care</li> <li>Introduction to Occupational Hazards</li> <li>Observation of Clinical/examination/laboratory procedures / clinical environment</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Time-table Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	36	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	30	<i>Practicals p.w.</i>	1
<i>Assessment:</i>	16	<i>Tutorials p.w.</i>	0
<i>Practicals:</i>	18		
<i>Selfstudy</i>	40		
<i>Other: Online discussion</i>	10		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Clinical Dentistry
<b>Generic Module Name</b>	Clinical Dentistry 201
<b>Alpha-numeric Code</b>	<b>CLD201</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	40
<b>Duration</b>	Year
<b>Proposed semester to be offered.</b>	Both Semesters
<b>Programmes in which the module will be offered.</b>	BDS (5101)
<b>Year Level</b>	2

<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Demonstrate applied integrated competence in the knowledge of basic oral diseases; their related aetiologies, clinical and radiographic presentations and prevention strategies.</li> <li>• Demonstrate applied integrated competence in ethical patient oral health care.</li> <li>• Demonstrate applied integrated competence in communication within a clinical setting Recognize a clinical emergency and manage of medical emergencies in dentistry.</li> <li>• Demonstrate applied knowledge and skill in regards to clinical equipment and the maintenance thereof</li> <li>• Demonstrating professional and ethical behaviour within the techniques laboratory and clinic areas.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Patterns and measurement of oral disease in South Africa (SA) including the role of the Dentist in SA</li> <li>• Anatomy and physiology of the periodontium including age changes.</li> <li>• The aetiology of oral disease with emphasis on periodontal diseases and caries</li> <li>• The fundamentals in methods of periodontal disease epidemiology</li> <li>• Diagnosis of Periodontal diseases and Caries including treatment planning</li> <li>• Stains and discolourations</li> <li>• Prevention of oral diseases</li> <li>• Development of oral hygiene educational material</li> <li>• Patient Examination: Communication and history taking Communication</li> <li>• Patient examination: Oral Examinations – Extra and Intra Oral</li> <li>• Record keeping and Sequence of folder write-up</li> <li>• Clinical Protocol including infection control and Principles of sterilization and Orientation</li> <li>• Clinical dentistry pre-clinical periodontal technique procedures: the design and uses of instruments to treat periodontal disease and methods of treatment of periodontal diseases and fissure sealant procedure.</li> <li>• Emergency Medicine</li> </ul>			
<b>Pre-requisite modules</b>	CLD100			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Time-table Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	130	<i>Lectures p.w.</i>	4	
<i>Assignments &amp; tasks:</i>	40	<i>Practicals p.w.</i>	3	
<i>Assessment:</i>	15	<i>Tutorials p.w.</i>	2	

<i>Practicals:</i>	190			
<i>Selfstudy</i>	25			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>400</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Prosthetic Dentistry
<b>Module Topic</b>	Clinical Dentistry V
<b>Generic Module Name</b>	Clinical Dentistry 512
<b>Alpha-numeric Code</b>	<b>CLD512</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	80
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	5
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Obtain and record a relevant and detailed medical and dental history, which identifies both the possible effects of oral disease on medical well-being and the medical conditions that affect oral health or dental treatment.</li> <li>• Develop, present and discuss prioritised individual treatment options for patients of all ages, including the integrated treatment by dental auxiliaries and the need for referral to a specialist.</li> <li>• Prepare and deliver comprehensive oral care for a variety of patients.</li> <li>• Communicate and interact with other members of the oral team and other health care professional and providers, so as to co-ordinate the total health care of the patient.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Integration of diagnosis, clinical approaches, treatment options, treatment plans, and clinical treatments</li> <li>• Integrated case-based discussions and tutorials</li> <li>• Clinical application of the following disciplines: <ul style="list-style-type: none"> <li>- Conservative dentistry</li> <li>- Prosthetic dentistry</li> <li>- Orthodontic dentistry</li> <li>- Paediatric dentistry</li> <li>- Oral radiology</li> <li>- Maxillofacial and oral surgery</li> <li>- Oral Medicine and periodontology</li> <li>- Oral Pathology</li> <li>- Pharmacology</li> </ul> </li> <li>• Anaesthesiology</li> </ul>

<b>Pre-requisite modules</b>	CON511 or OMP511 or MFS511 or PED511 or PRO511 or ORT511		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	150	<i>Practicals p.w.</i>	12
<i>Practicals:</i>	350	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	240		
<i>Other:</i>	10		
<b>Total Learning Time</b>	<b>800</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Clinical Practice I
<b>Generic Module Name</b>	Clinical Practice 100
<b>Alpha-numeric Code</b>	<b>CLP100</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	15
<b>Duration</b>	Semester
<b>Proposed semester to be offered.</b>	Second Semester
<b>Programmes in which the module will be offered.</b>	BOH (5211)
<b>Year Level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe how their social context may influence the oral health status and practices of patients.</li> <li>• Demonstrate basic knowledge of the principles of medical microbiology, immunity, transmission and classification of microorganisms.</li> <li>• Perform a basic dental assessment on a peer encompassing histories (medical, dental and social) as well as a basic oral examination using the appropriate instruments and techniques and measures.</li> <li>• Demonstrate basic knowledge and skills to provide oral health information to a peer using appropriate communication strategies, specific to the context of the peer.</li> <li>• Identify and apply first rule of responding to a medical emergency</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Microbiology</li> <li>• Infection control</li> </ul>

	<ul style="list-style-type: none"> <li>• Clinical practice</li> <li>• Prevention</li> <li>• Communication and health education.</li> <li>• Medical emergencies in the dental setting</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Time-table Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	70	<i>Lectures p.w.</i>	5	
<i>Assignments &amp; tasks:</i>	15	<i>Practicals p.w.</i>	2	
<i>Assessment:</i>	15	<i>Tutorials p.w.</i>	1	
<i>Practicals: Pre-clinical</i>	15			
<i>Selfstudy</i>	15			
<i>Other:</i>	20			
<b>Total Learning Time</b>	150			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Clinical Practice II
<b>Generic Module Name</b>	Clinical Practice 200
<b>Alpha-numeric Code</b>	<b>CLP200</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	35
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe the clinical practice of the oral hygienist in terms of legislation, scope of practice and professional conduct.</li> <li>• Describe medical and health conditions that will influence dental treatment and practice precautionary methods in patient care.</li> <li>• Identify, describe and apply promotion, preventive and therapeutic strategies in patient care within the scope of practice of the oral hygienist.</li> <li>• Provide prevention care in paediatrics in relation to scope of practice and psycho-social development of the child.</li> <li>• Identify, describe and apply instruments used in the scope of practice of the oral hygienist.</li> </ul>

	<ul style="list-style-type: none"> <li>• Describe and apply each component of the dental hygiene process of care model (DHPCM).</li> <li>• Describe basic management principles of medical emergencies in the dental settings.</li> </ul>
<b>Main Content</b>	<p><b>Clinical practice of the oral hygienist</b></p> <ul style="list-style-type: none"> <li>• The oral hygienist within the dental team and in terms of professionalism, ethical conduct and patient care.</li> <li>• The role and function of the Health Professions Council of South Africa (HPCSA).</li> <li>• The scope of practice of the hygienist in South Africa.</li> </ul> <p><b>Medical Conditions:</b></p> <ul style="list-style-type: none"> <li>• Specific medical and health conditions that may influence dental treatment.</li> <li>• Treatment implications and modifications required for selected medical conditions.</li> <li>• Precautionary measures required prior to and during treatment as indicated</li> <li>• Review of basic medical emergencies in relation to dental practice</li> </ul> <p><b>Prevention, promotive and therapeutic services:</b></p> <ul style="list-style-type: none"> <li>• Communication and education strategies for patients and care givers</li> <li>• Mechanical and chemical plaque control</li> <li>• Nutrition and dietary assessment for health and oral health</li> <li>• Basic nutritional counselling</li> <li>• Fissure sealants in relation prevention</li> <li>• Fluoride therapy</li> <li>• Scaling of teeth and implants</li> <li>• Polishing of teeth</li> <li>• Polishing of restorations</li> <li>• Extrinsic stain removal</li> <li>• Treatment of dentine sensitivity- treatment of abrasion lesions</li> <li>• Atraumatic restorative techniques</li> <li>• Temporary restorations before referral</li> </ul> <p><b>Instrumentation:</b></p> <ul style="list-style-type: none"> <li>• Dexterity and development</li> <li>• Ergonomics in the clinical practice</li> <li>• Instruments and instrumentation – identification, description and application of the basic oral examination set, hand instruments used in the scaling and debridement, ultrasonic scalers, teflon implant scalers</li> <li>• Sharpening of hand instruments</li> <li>• Use of the slow hand- piece</li> <li>• Polishing units including the air polisher</li> <li>• Application of infection control methods</li> </ul> <p><b>Dental Hygiene Process of Care Module (DHPCM) Assessment:</b></p> <ul style="list-style-type: none"> <li>• Collection of objective and subjective data – using appropriate interviewing techniques and clinical skill</li> <li>• Histories: social, medical and dental</li> </ul>

	<ul style="list-style-type: none"> <li>• Lifestyle: hygiene, diets, tobacco use</li> <li>• Extra-oral examination and vital signs</li> <li>• Radiographic examination</li> <li>• Intra-oral examination: comprehensive dental and periodontal assessment, tooth deposits using appropriate indices</li> <li>• Records and documentation</li> <li>• Synthesis and logical presentation of the assessments done in order to make a dental hygiene diagnosis</li> </ul> <p><b>Dental hygiene diagnosis:</b></p> <ul style="list-style-type: none"> <li>• The dental hygiene diagnosis</li> <li>• The differential diagnosis</li> <li>• Referral to dental therapist, dentist or dental specialist</li> </ul> <p><b>Dental hygiene care plan:</b></p> <ul style="list-style-type: none"> <li>• Collaborate with patient in developing a care plan within the context of his/her life</li> <li>• Goals and objectives to promote oral health, address oral health problems and also potential problems identified</li> <li>• Interventions (behavioural, clinical and other) based in evidence to meet set objectives</li> <li>• Detailed care plan within the scope of practice for the oral hygienist that has been consented to by the patient</li> <li>• Refer patients accordingly</li> </ul> <p><b>Implementation:</b></p> <ul style="list-style-type: none"> <li>• Apply sequence of treatment interventions as set out in care plan</li> </ul> <p><b>Evaluation:</b></p> <ul style="list-style-type: none"> <li>• Assess patient in terms of goals and objectives and patient concerns</li> <li>• Identify patient's challenges in the care plan and take appropriate action</li> <li>• Re-assess, set new goals and design care plan to achieve set goals</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	90	<i>Lectures p.w.</i>	4	Assignments & tasks
<i>Assignments &amp; tasks:</i>	30	<i>Practicals p.w.</i>	2	
<i>Practicals:</i>	20	<i>Tutorials p.w.</i>	1	
<i>Assessments:</i>	20			
<i>Selfstudy:</i>	80			
<i>Other:</i>	110			
<b>Total Learning Time</b>	<b>350</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Clinical Practice III
<b>Generic module name</b>	Clinical Practice 300
<b>Alpha-numeric code</b>	<b>CLP300</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	40
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year Level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe the different approaches to the process of patient care.</li> <li>• Competently perform the clinical role of the oral hygienist within the dental team and within the South African context.</li> <li>• Construct and present a case report (s) of patients managed collaboratively within one of the oral health centres.</li> <li>• Assess professional and social networks and other resources to provide improved patient care in various settings.</li> <li>• Apply the scope of practice as indicated by the HPCSA comprehensively and holistically to a range of patients/clients.</li> <li>• Use an evidence-based approach in all patient interactions.</li> <li>• Identify all medical and dental emergencies and act appropriately.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Clinical practice of the oral hygienist</li> <li>• The oral environment</li> <li>• Chair- side education: a patient centered approach</li> <li>• The dental hygiene process of care – different approaches to patient care</li> <li>• Writing and presenting a case report</li> <li>• Relaxation and complementary therapies</li> <li>• Paediatrics</li> <li>• Periodontics, including splinting mobile teeth</li> <li>• Orthodontics</li> <li>• Prosthodontics</li> <li>• Occlusal and temporomandibular disorders</li> <li>• Dental implants</li> <li>• Esthetics in dentistry, including vital tooth bleaching</li> <li>• Oral and maxillofacial surgery</li> <li>• Ethics and professionalism</li> <li>• Marketing the profession</li> <li>• Review of instruments, materials and products</li> </ul>

	<ul style="list-style-type: none"><li>• Preventive care, including fabrication of protective mouth guards</li><li>• Basic medical and dental emergencies</li></ul>			
Pre-requisite modules	None			
Co-requisite modules	None			
Prohibited module Combination	None			
Breakdown of Learning Time	Hours	Timetable Requirement per week	Other teaching modes that does not require time-table	
Contact with lecturer / tutor:	120	Lectures p.w.	2	Assignments & tasks
Assignments & tasks:	25	Practicals p.w.	6	
Practicals:	0	Tutorials p.w.	0	
Assessments:	15			
Selfstudy:	0			
Other:	240			
Total Learning Time	400			
Methods of Student Assessment	Continuous Assessment (CA): 70% Final Assessment (FA): 30%			
Assessment Module type	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Clinical Oral Health II
<b>Generic Module Name</b>	Clinical Oral Health II
<b>Alpha-numeric Code</b>	<b>CON201</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered.</b>	Both Semesters
<b>Programmes in which the module will be offered.</b>	BOH (5211)
<b>Year Level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module students should be able to:</p> <ul style="list-style-type: none"> <li>Explain the physiological, social and behavioural consequences of tooth loss</li> <li>Explain the dynamic biological, social and environmental nature of the caries process</li> <li>Diagnose dental caries</li> <li>Perform a caries risk assessment and develop a risk management protocol according to the biological, social and environmental factors influencing the oral health of the patient.</li> <li>Identify and apply appropriate minimally invasive therapy for the prevention and treatment of dental caries as defined by the Scope of Practice of the oral hygienist.</li> <li>Describe the instrumentation, materials and techniques used in the clinical procedures as defined by the Scope of Practice of the oral hygienist.</li> </ul>

	<ul style="list-style-type: none"> <li>Identify and refer patients for invasive treatment beyond the scope of practice of the oral hygienist.</li> <li>Identify normal occlusion and recognise developing malocclusion</li> <li>Perform orthodontic clinical procedures relevant to the scope of practice of the OH</li> </ul>		
<b>Main Content</b>	Minimally invasive dentistry: <ul style="list-style-type: none"> <li>The physiological, social and behavioural consequences of tooth loss</li> <li>Diagnosis and classification of dental caries</li> <li>Caries risk assessment and management protocols framed within in the context of the biological, social and environmental factors influencing the oral health of the patient.</li> <li>Patient referral</li> <li>Restorative instruments and materials used within the Scope of Practice of the Oral Hygienist.</li> <li>Theory and clinical application of minimally invasive, preventive and promotive procedures relevant to the scope of practice of the oral hygienist.</li> <li>Development of occlusion, and mal-occlusion</li> <li>Biology of tooth movement.</li> <li>Theory and clinical application of orthodontic procedures relevant to the scope of practice of the oral hygienist.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Time-table Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	80	<i>Lectures p.w.</i>	3
<i>Assignments &amp; tasks:</i>	5	<i>Practicals p.w.</i>	6
<i>Assessment:</i>	10	<i>Tutorials p.w.</i>	0
<i>Practicals: Pre-clinical</i>	50		
<i>Selfstudy</i>	5		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Conservative Dentistry
<b>Module Topic</b>	Conservative Dentistry I
<b>Generic Module Name</b>	Conservative Dentistry 300
<b>Alpha-numeric Code</b>	<b>CON300</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year

<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	3		
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Diagnose and treat patients for basic restorative dentistry using all direct restorative materials.</li> <li>• Interpret failures in restorative dentistry and manage appropriately.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Clinical diagnosis and management of the caries process</li> <li>• Clinical handling of direct restorative materials</li> <li>• Modification of cavity preparations to accommodate variability in the clinical situation</li> <li>• Clinical relevance of dental materials</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	26	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	18	<i>Practicals p.w.</i>	0
<i>Clinical contact time:</i>	74	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	6		
<i>Selfstudy:</i>	26		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 70% Final Assessment (FA): 30%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative Cluster
<b>Module Topic</b>	Conservative Dentistry II
<b>Generic Module Name</b>	Conservative Dentistry 400
<b>Alpha-numeric Code</b>	<b>CON400</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	4
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Manage aesthetically demanding patients.</li> <li>• Plan and manage extensive posterior restorations.</li> </ul>

	<ul style="list-style-type: none"> <li>• Treat patients requiring direct complex anterior and posterior aesthetic restorations.</li> <li>• Assess and manage the patient requiring vital bleaching procedure.</li> <li>• Plan treatment of patients requiring indirect restorations.</li> <li>• Integrate the principles of occlusion within the clinical case-based setting.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Principles of direct posterior restorations</li> <li>• Principles of indirect aesthetic posterior restorations</li> <li>• Elements of aesthetics</li> <li>• Principles of vital bleaching</li> <li>• Maintenance of the integrity of the arch with direct restorations</li> <li>• Principles of occlusion</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	30	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	3	<i>Practicals p.w.</i>	2
<i>Practicals:</i>	7	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	0		
<i>Clinical Time:</i>	100		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative
<b>Module Topic</b>	Conservative Dentistry III
<b>Generic Module Name</b>	Conservative Dentistry 511
<b>Alpha-numeric Code</b>	<b>CON511</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	15
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	5
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Diagnose and treat patients for basic restorative dentistry using direct restorative techniques.</li> <li>• Recognize failures in basic restorative dentistry and manage appropriately.</li> </ul>

	<ul style="list-style-type: none"> <li>• Adapt basic knowledge to overcome variability in the clinical scenario.</li> <li>• Choose the most appropriate material for successful dental treatment and explain the rationale for the material choice.</li> <li>• Select and handle dental materials appropriately taking into account the particular clinical situation.</li> <li>• Diagnose and manage the pathologically compromised pulp system using both existing knowledge and skills and new techniques and instruments introduced in the endodontic field.</li> <li>• Assess and manage endodontic failures (including the need for referral).</li> <li>• Develop and present a comprehensive treatment plan for patients requiring indirect restorations taking into account current materials and techniques.</li> <li>• Identify the causes of failure of indirect restorations and implement successful preventive management.</li> <li>• Make clinical decisions based on scientific knowledge taking into account current materials, techniques and the patient's opinion.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Clinical diagnosis and management of patients with caries</li> <li>• Modification of procedures to accommodate variability in the clinical situation</li> <li>• Classification, properties, uses and handling of direct and indirect restorative materials (including the newest ones on the market)- Material science</li> <li>• Endodontic instrumentation, medicaments, restorative options and the latest advances in the field</li> <li>• Design and material selection to be used in the construction of indirect restorations</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer/tutor:</i>	10	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	4
<i>Practicals:</i>	120	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	15		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative Cluster
<b>Module Topic</b>	Dental Materials
<b>Generic Module Name</b>	Dental Materials 300
<b>Alpha-numeric Code</b>	<b>DMT300</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Differentiate between the various groups of dental materials and their clinical uses.</li> <li>• Select appropriate material/s for specific clinical situations.</li> <li>• Handle dental materials appropriately according to the type of material and according to their clinical situation.</li> <li>• Explain and apply understandings of the effects of occlusal forces and other intra-oral factors on successful placement, durability, and biological compatibility of dental materials for dental prostheses.</li> </ul>
<b>Main Content</b>	<p>The module will include</p> <ul style="list-style-type: none"> <li>• Introduction to the mechanical and chemical properties and the use of dental materials</li> <li>• Bio-compatibility concerns of dental materials (i.e., their toxic potential, allergic potential, influence on human tissue and environmental concerns)</li> <li>• Adhesion to tooth structure, and influencing factors</li> <li>• Composition, setting reaction, properties, uses and handling of the following direct restorative materials <ul style="list-style-type: none"> <li>• dentinal bonding agents</li> <li>• composite resin restorative materials</li> <li>• cavity liners and base materials</li> <li>• temporary restorative materials</li> <li>• amalgams</li> <li>• compomers</li> <li>• glass-ionomers</li> <li>• resin-modified glass-ionomers</li> </ul> </li> <li>• The appropriate use and maintenance of curing lights</li> <li>• Everyday materials needed/used for laboratory procedures and prosthetic dentistry</li> <li>• Gypsum products</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	32	Lectures p.w.	1	
Assignments & tasks:	8	Practicals p.w.	0	
Practicals:	16	Tutorials p.w.	0	
Assessments:	4			
Selfstudy:	40			
Other:	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Dental Research
<b>Generic Module Name</b>	Dental Research 410
<b>Alpha-numeric Code</b>	<b>DRE410</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	Year
<b>Duration</b>	Both Semesters
<b>Proposed semester to be offered</b>	BDS (5101)
<b>Programmes in which the module will be offered</b>	4
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>Define a research problem, and describe the related aims and objectives.</li> <li>Write a literature review on the selected research topic.</li> <li>Prepare a viable research protocol.</li> <li>Implement the research project.</li> <li>Prepare a written research report.</li> <li>Present the research findings to faculty.</li> <li>Prepare the research as an article for publication.</li> </ul>
<b>Main Content</b>	Research topics will come from all disciplinary areas of dentistry and public health. Main module content will include: <ul style="list-style-type: none"> <li>Defining research problems, aims and objectives</li> <li>Writing a literature review</li> <li>Preparing research protocols</li> <li>Implementing a research project and conducting research</li> <li>Written research reports</li> <li>Presenting research findings</li> <li>Preparing research findings for publication</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None

<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	7	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	30	<i>Practicals p.w.</i>	1
<i>Data Collection:</i>	10	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	0		
<i>Presentation:</i>	3		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Restorative Cluster		
<b>Module Topic</b>	Endodontics		
<b>Generic Module Name</b>	Endodontics 400		
<b>Alpha-numeric Code</b>	<b>END400</b>		
<b>NQF Level</b>	4		
<b>NQF Credit Value</b>	10		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	4		
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Diagnose and treat an endodontically involved tooth.</li> <li>• Use hand and rotary instruments for the treatment of endodontically involved teeth.</li> <li>• Restore endodontically treated teeth with conservative techniques.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Pulp pathology, histology and morphology</li> <li>• Isolation and management of the pulp</li> <li>• Endodontic instrumentation (manual and rotary)</li> <li>• Endodontic medicaments</li> <li>• Post endodontic restorative options</li> <li>• Assessment and management of endodontic failures</li> </ul>		
<b>Pre-requisite Modules</b>	None		
<b>Co-requisite Modules</b>	None		
<b>Prohibited Module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	30	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	6	<i>Practicals p.w.</i>	0

<i>Practicals:</i>	20	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	4			
<i>Selfstudy:</i>	10			
<i>Clinical contact time:</i>	30			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Ethics and Practice Management
<b>Generic Module Name</b>	Ethics and Practice Management
<b>Alpha-numeric Code</b>	<b>EPM312</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered.</b>	First semester
<b>Programmes in which the module will be offered.</b>	BOH (5211)
<b>Year Level</b>	<b>3</b>
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Articulate the legal and ethical responsibilities of professional health care practice in South Africa.</li> <li>• Articulate key ethical, moral and social principles underlying the notion of human rights</li> <li>• Demonstrate entrepreneurship by developing a business plan for an oral hygiene practice within the relevant legislative and professional frameworks.</li> <li>• Demonstrate integrated knowledge of all aspects of a dental/oral hygiene practice, negotiate opportunities for professional advancement and autonomy, identify and act on enablers and barriers to the development of the oral hygiene profession.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Health and human rights</li> <li>• Ethics and jurisprudence for health professionals</li> <li>• Legislative and professional guidelines and bodies governing the oral health professions</li> <li>• Entrepreneurship, leadership and professional development</li> <li>• The oral hygiene practice</li> <li>• Challenges and opportunities for the oral hygienist in the practice environment.</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Time-table Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	60	Lectures p.w.	2	
Assignments & tasks:	23	Practicals p.w.	0	
Assessment:	2	Tutorials p.w.	1	
Practicals: marketing activity of one day	5			
Selfstudy	10			
Other:	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

Faculty	Dentistry		
Home Department	Community Oral Health		
Module Topic	Ethics		
Generic Module Name	Ethics 521		
Alpha-numeric Code	ETH521		
NQF Level	8		
NQF Credit Value	5		
Duration	Year		
Proposed semester to be offered	First Semester		
Programmes in which the module will be offered	BDS (5101)		
Year level	5		
Main Outcomes	On completion of this module, students should be able to: <ul style="list-style-type: none"><li>• Describe key ethical, moral and social principles underlying the notion of human rights.</li><li>• Explain the relationship between human rights and the ethics of health care.</li><li>• Explain the legal and ethical responsibilities of professional health care practice in South Africa.</li><li>• Apply the principles of ethics and jurisprudence in a case study.</li></ul>		
Main Content	<ul style="list-style-type: none"><li>• Health and Human rights</li><li>• Ethics for health professionals</li><li>• Jurisprudence for health workers</li></ul>		
Pre-requisite modules	None		
Co-requisite modules	None		
Prohibited module Combination	None		
Breakdown of Learning Time	Hours	Timetable Requirement per week	Other teaching modes that does not require time-table
Contact with lecturer / tutor:	15	Lectures p.w.	1
Assignments & tasks:	20	Practicals p.w.	0
Practicals:	0	Tutorials p.w.	0

<b>Assessments:</b>	0			
<b>Selfstudy:</b>	15			
<b>Other:</b>	0			
<b>Total Learning Time</b>	<b>50</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Oral Hygiene			
<b>Module Topic</b>	Human Anatomy and Physiology			
<b>Generic Module Name</b>	Human Biology for Oral Health			
<b>Alpha-numeric Code</b>	<b>HBO101</b>			
<b>NQF Level</b>	5			
<b>NQF Credit Value</b>	10			
<b>Duration</b>	Year			
<b>Proposed semester to be offered.</b>	Both Semesters			
<b>Programmes in which the module will be offered.</b>	BOH (5211)			
<b>Year Level</b>	1			
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Describe basic structure and function of the human body at the level of molecules, cells, tissues, organs and systems.</li> <li>Interpret basic principles of chemistry and biochemistry as applied to bodily functions.</li> <li>Explain the importance of homeostasis.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Basic structure and function of the human body at the level of molecules, cells, tissues, organs and systems.</li> <li>Basic principles of chemistry and biochemistry as applied to bodily functions.</li> <li>Homeostasis.</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Time-table Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	48	<i>Lectures p.w.</i>	3	
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	0	
<i>Assessment:</i>	12	<i>Tutorials p.w.</i>	1	
<i>Practicals: :Laboratory based practicals on gross anatomy</i>	12			
<i>Selfstudy</i>	18			
<i>Other:</i>	0			
<b>Total Learning Time</b>	100			

<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)
<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Oral Biology for Oral Health
<b>Generic Module Name</b>	Oral Biology for Oral Health 102
<b>Alpha-numeric Code</b>	<b>HBO102</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered.</b>	Both Semesters
<b>Programmes in which the module will be offered.</b>	BOH (5211)
<b>Year Level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe embryological development of the head and neck (including odontogenesis and origin of the periodontium).</li> <li>• Describe oral and dental physiology on a microscopic level and oral and dental anatomy on a macroscopic level, relevant to the scope of practice of the oral hygienist.</li> <li>• Explain physiologic tooth movement.</li> <li>• Describe salient morphological characteristics of individual teeth and the application of universal numbering systems</li> <li>• Explain the theories of tooth sensitivity.</li> <li>• Explain the chemistry of fluoride, the mechanism of action and physical effects on the morphological characteristics.</li> <li>• Describe the microbial deposits of the oral cavity.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Craniofacial embryology</li> <li>• Physiology and anatomy</li> <li>• Structures of the head and neck</li> <li>• Dental hard tissues, dental morphology and tooth numbering systems</li> <li>• Physiologic tooth movement</li> <li>• The oral environment</li> <li>• Tooth deposits</li> <li>• Salivary glands</li> <li>• Lymphoid structures</li> <li>• Innervation of the maxilla and mandible</li> <li>• Tooth sensitivity</li> <li>• Chemistry of fluoride</li> </ul>
<b>Pre-requisite modules</b>	None

<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Time-table Requirement per week</b>		<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	3	
<i>Assignments &amp; tasks:</i>	8	<i>Practicals p.w.</i>	0	
<i>Assessment:</i>	12	<i>Tutorials p.w.</i>	1	
<i>Practicals: Classroom based</i>	10			
<i>Selfstudy</i>	10			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Community and Health Sciences
<b>Home Department</b>	Interprofessional Education Unit
<b>Module Topic</b>	Primary Health Care
<b>Generic Module Name</b>	Health, Development and Primary Health Care 111
<b>Alpha-numeric Code</b>	<b>HDP111</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	5
<b>Duration</b>	Term
<b>Proposed semester to be offered</b>	Second Term
<b>Programmes in which the module will be offered</b>	BOH (5211); BDS (5101)
<b>Year level</b>	1
<b>Main outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Discuss the concepts of health, development and primary health care.</li> <li>• Explain the links between health, development and primary health care.</li> <li>• Describe the origins and main features of comprehensive primary health care.</li> <li>• Discuss the primary health care approach, the value of interdisciplinary and team work and the importance of community service.</li> <li>• Demonstrate the basic rules and customs of academic study, academic language, and academic argument.</li> </ul>
<b>Main content</b>	<ul style="list-style-type: none"> <li>• Definition of Health.</li> <li>• Communication and Multilingualism.</li> <li>• Introduction to 'development'.</li> <li>• Introduction to Primary Health Care.</li> <li>• The link between Health, Development and PHC.</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None

<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer/tutor:</i>	16	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	16	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	2		
<i>Selfstudy:</i>	16		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Interprofessional Education Unit
<b>Module Topic</b>	Primary Health Care
<b>Generic Module Name</b>	Health, Development and Primary Health Care 124
<b>Alpha-numeric Code</b>	<b>HDP124</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	5
<b>Duration</b>	Term
<b>Proposed semester to be offered</b>	Second Term
<b>Programmes in which the module will be offered</b>	BOH (5211) BDS (5101)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the concepts of health, development and primary health care.</li> <li>• Describe the links between health, development and primary health care.</li> <li>• Discuss the origins and main features of comprehensive primary health care.</li> <li>• Explain the primary health care approach, the value of interdisciplinary and team work and the importance of community service.</li> <li>• Apply the basic rules and customs of academic study, academic language, and academic argument.</li> <li>• Understand communication and multilingualism problems and how it affects society.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Definition of Health.</li> <li>• Communication and Multilingualism.</li> <li>• Introduction to 'development'.</li> <li>• Introduction to Primary Health Care.</li> <li>• The link between Health, Development and PHC</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None

Prohibited module Combination	None			
Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer/tutor:	16	Lectures p.w.	1	Assignments & tasks
Assignments & tasks:	16	Practicals p.w.	1	
Practicals:	0	Tutorials p.w.	0	
Assessments:	2			
Selfstudy:	16			
Other:	0			
Total Learning Time	50			
Methods of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
Assessment Module type	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Dentistry
<b>Module Topic</b>	Interdisciplinary Health Promotion
<b>Generic Module Name</b>	Interdisciplinary Health Promotion 111
<b>Alpha-numeric Code</b>	HPD111
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second Semester
<b>Programmes in which the module will be offered</b>	BDS (5101) BOH (5211)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the main approaches to health promotion.</li> <li>• Describe health promotion in the social, political and environmental context.</li> <li>• Apply the principles and approaches of the health promoting schools framework and to use this framework when planning and implementing a health promotion project in the schools.</li> <li>• Critically reflect on their community- based experience.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Background and history of health promotion and health promoting schools</li> <li>• The theory and application of health promotion models</li> <li>• Importance of assessing information for health promotion</li> <li>• The role of the media in health promotion</li> <li>• The planning cycle: identifying the needs, writing objectives, deciding on indicators and developing an action plan, project implementation and methods of evaluation</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None

<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	28	<i>Lectures p.w.</i>	2
<i>Assignments &amp; tasks:</i>	30	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	21	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	21		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Dentistry
<b>Module Topic</b>	Health Systems
<b>Generic Module Name</b>	Health Systems 300
<b>Alpha-numeric Code</b>	<b>HSY300</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	5
<b>Duration</b>	Term
<b>Proposed semester to be offered</b>	First Term
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	3
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Recognise the main structural features of different health Systems.</li> <li>• Compare the advantages and disadvantages of different delivery systems.</li> <li>• Explain and compare the merits of the different health financing systems in existence here and abroad.</li> <li>• Explain competing oral health policy imperatives in existence.</li> <li>• Critically evaluate some aspects of health care delivery.</li> </ul>
<b>Main Content</b>	This module covers topics broadly related to the following sections <ul style="list-style-type: none"> <li>• Types of health systems</li> <li>• Health financing</li> <li>• Health policy</li> <li>• Human resources</li> <li>• Oral health strategies</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	12	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	15	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	10	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	13		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Health Systems
<b>Generic Module Name</b>	Health Systems 500
<b>Alpha-numeric Code</b>	<b>HSY500</b>
<b>NQF Level</b>	10
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	5
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Recognise the main structural features of different health systems.</li> <li>• Compare the advantages and disadvantages of different delivery systems.</li> <li>• Explain and compare the merits of the different health financing systems in existence here and abroad.</li> <li>• Explain competing oral health policy imperatives in existence.</li> <li>• Critically evaluate some aspect of health care delivery.</li> <li>• Survey, describe and compare the administrative and economic workings of a private dental practice and a community health facility.</li> </ul>
<b>Main Content</b>	<p>This module covers topics broadly related to the following sections:</p> <ul style="list-style-type: none"> <li>• Types of health systems</li> <li>• Health financing</li> <li>• Health policy</li> <li>• Human resources</li> <li>• Oral health strategies</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None

<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	25	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	30	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	20	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	15		
<i>Selfstudy:</i>	10		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Medical Biosciences
<b>Module Topic</b>	Human Biology
<b>Generic Module Name</b>	Human Biology for Dentistry I
<b>Alpha-numeric Code</b>	<b>HUB105</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	40
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	1
<b>Main outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Understand the importance of cells to operate within the homeostatically controlled internal environment.</li> <li>• Describe the embryonic origins of tissues and the correlations between origin and function of tissue cells.</li> <li>• Understand the physiology of haemostasis and blood types.</li> <li>• Execute basic laboratory investigations and understand the diagnostic value of haematological parameters.</li> <li>• Understand the cellular and biochemical basis immunological mechanisms in the body.</li> <li>• Identify and describe the main anatomical features of structures of the thoracic cavity and relate their structure to specific functions.</li> <li>• Describe the functional histology of, and identify, the structures of the CVS, Respiratory and Renal systems.</li> <li>• Explain the homeostatic mechanisms of the above systems, their neural and endocrine regulation, and the dysfunctions associated with these systems.</li> <li>• Execute basic laboratory investigations.</li> </ul>

<b>Main content</b>	<ul style="list-style-type: none"> <li>• Organization of the human body</li> <li>• Principles of homeostatic control</li> <li>• Review of the cell physiology</li> <li>• Method of studying cells</li> <li>• Early embryology</li> <li>• Basic neurology</li> <li>• Connective tissue histology and chemistry</li> <li>• Functional histology of epithelia, cartilage, bone,</li> <li>• Teeth, skin, neural tissue, the lymphatic system and</li> <li>• Muscle</li> <li>• Electrolyte and fluid balance</li> <li>• Blood, haemostasis, blood types, immunology and</li> <li>• Associated abnormalities</li> <li>• Anatomy of the thorax</li> <li>• Mechanics of breathing</li> <li>• Organization of the CVS</li> <li>• The cardiac cycle, Starling's Law and cardiac output</li> <li>• Histology of blood vessels</li> <li>• Haemodynamics</li> <li>• Blood pressure</li> <li>• Control of the CVS</li> <li>• Cardiovascular disease</li> <li>• Structures and histology of the respiratory system</li> <li>• Lung volumes and composition of alveolar air</li> <li>• Transport of O<sub>2</sub> and CO<sub>2</sub></li> <li>• Control of breathing</li> <li>• Anatomy and Histology of the kidney</li> <li>• Glomerular filtration</li> <li>• Renal control of body fluids</li> <li>• Acid-base balance</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>		<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	84	<i>Lectures p.w.</i>	6	
<i>Assignments &amp; tasks:</i>	56	<i>Practicals p.w.</i>	6	
<i>Practicals:</i>	84	<i>Tutorials p.w.</i>	2	
<i>Tutorials:</i>	28			
<i>Assessments:</i>	9			
<i>Selfstudy:</i>	0			
<i>Other:</i>	139			
<b>Total Learning Time</b>	<b>400</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Natural Sciences
<b>Home Department</b>	Medical Biosciences
<b>Module Topic</b>	Human Biology
<b>Generic Module Name</b>	Human Biology for Dentistry II
<b>Alpha-numeric Code</b>	<b>HUB205</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	40
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the role of nutrition in health.</li> <li>• Relate the anatomy of the GIT, and associated structures, to the mechanisms of motility, secretion, digestion and absorption.</li> <li>• Understand the neural and endocrine control of the processes of the digestive system.</li> <li>• Describe the functional anatomy and histology of the major endocrine glands and the reproductive systems</li> <li>• Describe calcium and phosphorous metabolism, its hormonal control and bone metabolism.</li> <li>• Understand the physiology and physical mechanisms that maintain thermal homeostasis.</li> <li>• Describe the menstrual cycle and hormonal context of pregnancy, lactation, contraception and HRT</li> <li>• Understand the development of the head, neck and central nervous system of the fetus.</li> <li>• Understand the anatomy of the head and neck with emphasis on the oral and peri-oral region.</li> <li>• Understand the important functional pathways of the central nervous system.</li> <li>• Have an integrated understanding of the structure and function of the central nervous system.</li> <li>• Understand the cranial nerves.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Body composition nervous system.</li> <li>• Nutrients and non-nutrients in diet.</li> <li>• Anatomy/histology of the GIT.</li> <li>• Mastication and swallowing.</li> <li>• Histology and physiology of salivary glands, stomach, pancreas, liver, biliary system, intestines.</li> <li>• Review of metabolism. Insulin and glucagon.</li> <li>• Diabetes mellitus.</li> <li>• Calcium and bone metabolism.</li> <li>• Hypothalamic and pituitary hormones.</li> <li>• Temperature regulation.</li> <li>• Adrenal glands.</li> <li>• Menstrual cycle</li> </ul>

	<ul style="list-style-type: none"> <li>• Hormones in pregnancy, lactation, contraception and HRT.</li> <li>• Overview of the male reproductive system.</li> <li>• Developmental embryology of the head, neck and central nervous system.</li> <li>• Gross anatomy of the head and neck region.</li> <li>• The cranial nerves.</li> <li>• The functional units of the central nervous system.</li> <li>• Structure and function of sensory pathways.</li> <li>• Structure and function of motor pathways.</li> <li>• The Autonomic system.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	84	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	56	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	84	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	37		
<i>Selfstudy:</i>	0		
<i>Other:</i>	39		
<b>Total Learning Time</b>	<b>300</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Prosthetic Dentistry & Oral Surgery
<b>Module Topic</b>	Implants
<b>Generic Module Name</b>	Implants 500
<b>Alpha-numeric Code</b>	<b>IMP500</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	5
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	5
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the biologic principles of implant treatment.</li> <li>• Describe the biomechanical principles, rationale and techniques for the use of overdentures.</li> <li>• Describe the principles and practices involved in the use of osseo-integrated implants.</li> <li>• Evaluate a potential implant patient in terms of treatment planning, prosthetic options, and aftercare needs.</li> </ul>

	<ul style="list-style-type: none"> <li>• Differentiate between different types of implant and implant abutments.</li> <li>• Describe the risks and benefits of both root – and implant supported overdenture therapy.</li> <li>• Identify the patient with advanced prosthetic needs- obturators, implant-supported prostheses.</li> <li>• Describe the surgical and prosthetic principles of management of these patients and the role of the various oral health care providers in the implant team.</li> <li>• Prepare and deliver a comprehensive treatment plan incorporating all appropriate dental disciplines.</li> <li>• Deliver appropriate and effective oral health education to patients with advanced prostheses.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Principles and techniques in the use of overdentures</li> <li>• Obturators</li> <li>• Implants</li> <li>• History of oral implants</li> <li>• Osseo-integration</li> <li>• Patient selection</li> <li>• Selection of prostheses and occlusion</li> <li>• Surgical protocol</li> <li>• Complications and management of surgery</li> <li>• Maintenance and follow-up of patients with prostheses</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	10	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	3	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	30	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	2		
<i>Selfstudy:</i>	3		
<i>Other:</i>	2		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Conservative Dentistry
<b>Module Topic</b>	Invasive Restorative Techniques
<b>Generic Module Name</b>	Invasive Restorative Techniques 310
<b>Alpha-numeric Code</b>	<b>IRT310</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester

<b>Proposed semester to be offered</b>	First Semester		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	3		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Use rotary instruments for cavity preparation.</li> <li>• Prepare cavities for the different direct restorative materials.</li> <li>• Use appropriate bases and liners and restore cavities with direct restorative materials.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Principles of cavity preparation</li> <li>• Dental materials <ul style="list-style-type: none"> <li>• liners and bases</li> <li>• amalgam</li> <li>• composites</li> </ul> </li> <li>• Criteria for the selection of restorative materials</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	16	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	15	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	45	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	4		
<i>Selfstudy:</i>	20		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 70% Final Assessment (FA): 30%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Local Anaesthesia and Oral Surgery
<b>Generic Module Name</b>	Local Anaesthesia and Oral Surgery 200
<b>Alpha-numeric Code</b>	<b>LOS200</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	2

<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"><li>• Explain the effects of local anaesthesia (LA).</li><li>• Describe how local anaesthesia works.</li><li>• Administer LA.</li><li>• Recognize contra-indication to the administration of LA.</li><li>• Recognize and manage adverse reactions to a LA solution.</li><li>• Recognize and manage complication of exodontia.</li><li>• Assist in the treatment of minor oral surgical procedures.</li><li>• Assist in the treatment of trauma involving the orofacial area.</li><li>• Remove sutures.</li></ul>			
<b>Main Content</b>	<b>Oral Surgery</b> <ul style="list-style-type: none"><li>• Extractions and their complications</li><li>• Abscesses and cysts</li><li>• Impacted teeth</li><li>• Trauma</li><li>• Fracture and management</li><li>• Effects of radiation</li><li>• Soft tissue wounds and their management</li><li>• Removal of sutures</li></ul> <b>Local Anaesthesia</b> <ul style="list-style-type: none"><li>• Relevant anatomy</li><li>• Osteology</li><li>• Sensory and motor innervations</li><li>• Muscles of mastication</li><li>• Pharmacology of la</li><li>• Techniques: infiltration and block</li><li>• Adverse reaction to la</li><li>• Contra indications to la</li><li>• Complications</li></ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>		<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	1.5	
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	10	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	10			
<i>Selfstudy:</i>	30			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Natural Science		
<b>Home Department</b>	Biodiversity and Conservation Biology		
<b>Module Topic</b>	Life Science 141		
<b>Generic Module Name</b>	Life Science 141		
<b>Alpha-numeric Code</b>	<b>LSC141</b>		
<b>NQF Level</b>	5		
<b>NQF Credit Value</b>	15		
<b>Duration</b>	Semester		
<b>Proposed semester to be offered</b>	First Semester		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Link the importance of basic inorganic chemistry to cell organization.</li> <li>• Know the maintenance of life as controlled by the major organic (bio-) molecules.</li> <li>• Explain the interaction between the major cell organelles, the structure and role of cell membranes, the role of enzymes to the various metabolic pathways in cells, the link between protein synthesis and genetic traits, how genetic information can be manipulated in the laboratory.</li> <li>• Identify the various genetic components as related to the inheritance of genetic traits.</li> <li>• Know the different forms of cell division.</li> <li>• Apply practical skills in microscopy.</li> <li>• Assimilate information from various sources.</li> <li>• Interpret and present information in written form..</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Cell structure and organelles and an introduction to processes taking place in them.</li> <li>• DNA replication; DNA control of protein synthesis and thereby biochemical processes, mitosis, meiosis, chromosomes and genes, Mendelian and biochemical genetics, evolution.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	56	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	42	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	6		

<i>Selfstudy:</i>	46			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>150</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Maxillofacial and Oral Surgery
<b>Generic Module Name</b>	Maxillofacial and Oral Surgery 300
<b>Alpha-numeric Code</b>	<b>MFS300</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Take a detailed history of a patient.</li> <li>• Conduct a thorough extra- and intra-oral examination.</li> <li>• Order appropriate special investigations.</li> <li>• Generate a differential diagnosis.</li> <li>• Discuss how local anaesthetics work and describe its effects.</li> <li>• Administer a local anaesthetic solution.</li> <li>• Recognize complication related to local anaesthesia.</li> <li>• Recognise and manage adverse reactions to local anaesthetics.</li> <li>• Recognise and manage syncope.</li> <li>• Discuss the principles and perform cardio pulmonary resuscitation.</li> <li>• Identify and discuss the various instruments used in exodontia.</li> <li>• Perform exodontia.</li> <li>• Suture an extraction socket.</li> <li>• Manage complications of exodontias.</li> </ul>
<b>Main Content</b>	<p>History taking</p> <ul style="list-style-type: none"> <li>• Basic examination of patient – extra oral and intra oral</li> <li>• Special investigations – radiographs and laboratory investigations               <ul style="list-style-type: none"> <li>(i) Lab Tests</li> </ul> </li> <li>• Infection Control</li> <li>• Relevant anatomy</li> <li>• Pharmacology of local anaesthesia</li> <li>• Techniques – infiltration and block techniques</li> <li>• Adverse reactions to local anaesthetics</li> <li>• Complications to local anaesthetics</li> <li>• Cardio Pulmonary Resuscitation</li> </ul>

	<ul style="list-style-type: none"> <li>• Instrumentation</li> <li>• Exodontia – principles</li> <li>• Clotting mechanisms</li> <li>• Wound healing</li> <li>• Complications of exodontia</li> <li>• Suturing techniques</li> <li>• Suture materials</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	30	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0.5
<i>Practicals:</i>	50	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	7		
<i>Selfstudy:</i>	13		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Maxillofacial and Oral Surgery
<b>Generic Module Name</b>	Maxillofacial and Oral Surgery II
<b>Alpha-numeric Code</b>	<b>MFS400</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Examine the maxillofacial and oral surgical patient.</li> <li>• Manage patients with maxillofacial and oral/dental trauma.</li> <li>• Manage patients with medical emergencies in dentistry.</li> <li>• Manage patients with infective conditions of the maxillofacial and oral region.</li> <li>• Explain the principles of surgical endodontics and be able to manage these patients appropriately.</li> <li>• Manage patients with impacted teeth.</li> <li>• Manage patients with sinus related conditions.</li> <li>• Manage patients with bleeding tendencies.</li> </ul>

	<ul style="list-style-type: none"> <li>• Manage patients with salivary gland pathology and related conditions.</li> <li>• Manage patients with cysts and tumours of the mouth and jaws.</li> <li>• Manage patients with temporomandibular joint dysfunctions.</li> <li>• Manage patients with facial pain.</li> <li>• Manage patients for pre-prosthetic surgery.</li> <li>• Explain the principles of implantology and be able to manage these patients appropriately.</li> <li>• Assess and refer patients for orthognathic surgery.</li> <li>• Assess and refer patients with cleft- and craniofacial deformities.</li> <li>• Discuss the principles of divers treatment modalities in maxillofacial surgery.</li> </ul>		
<b>Main Content</b>	Maxillofacial and oral/dental trauma <ul style="list-style-type: none"> <li>• Medical emergencies</li> <li>• Infective conditions of the maxillofacial and oral region</li> <li>• Surgical endodontics (apicectomy)</li> <li>• Impacted teeth</li> <li>• Sinus related conditions</li> <li>• Bleeding tendencies</li> <li>• Salivary glands and related conditions</li> <li>• Management of cysts and tumours of the mouth and jaws</li> <li>• Temporomandibular joint dysfunctions</li> <li>• Management of facial pain</li> <li>• Pre-prosthetic surgery including implantology</li> <li>• Orthognathic surgery</li> <li>• Management of cleft- and craniofacial deformities</li> <li>• Diverse treatment modalities</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	150	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Maxillofacial and Oral Surgery
<b>Generic Module Name</b>	Maxillofacial and Oral Surgery III
<b>Alpha-numeric Code</b>	<b>MFS511</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	5
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Examine a patient, assess, diagnose, treat/or refer appropriately.</li> <li>• Apply a multidisciplinary approach to patient management.</li> <li>• Appropriately manage patients for impacted teeth and surgical removal of teeth including the common complication thereof.</li> <li>• Manage and appropriately refer patients with maxillofacial and oral/dental trauma.</li> <li>• Manage patients with medical emergencies in dentistry.</li> <li>• Manage and appropriately refer patients who are medically compromised.</li> <li>• Manage patients for pre-prosthetic surgery and implantology.</li> <li>• Manage patients with orofacial infections.</li> <li>• Manage patients with maxillofacial and oral pathology.</li> <li>• Manage patient with orofacial and TMJ pain.</li> <li>• Manage and appropriate refer patients with facial deformities and orthognathic conditions.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Advanced exodontia and surgical removal of teeth</li> <li>• Maxillofacial and/or dental trauma</li> <li>• Medical emergencies</li> <li>• Infective conditions of the maxillofacial and oral region</li> <li>• Surgical endodontics (apicectomy)</li> <li>• Impacted teeth</li> <li>• Sinus related conditions</li> <li>• Bleeding tendencies</li> <li>• Salivary glands and related conditions</li> <li>• Management of cysts and tumours of the mouth and jaws</li> <li>• Temporomandibular joint dysfunctions</li> <li>• Management of facial pain</li> <li>• Pre-prosthetic surgery including implantology</li> <li>• Orthognathic surgery</li> <li>• Management of cleft- and craniofacial deformities</li> <li>• Dental anaesthesiology and sedation</li> </ul>
<b>Pre-requisite modules</b>	None

<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	10	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	70	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	15		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Epidemiology
<b>Generic Module Name</b>	Measuring Health and Disease 223
<b>Alpha-numeric Code</b>	<b>MHD223</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second semester
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Critically review and interpret basic epidemiological texts.</li> <li>• Describe the community in relation to a variety of epidemiological indicators in order to measure the occurrence of health-related states in populations, including the causes of death and disability.</li> <li>• Assess the quality and relevance of data used to describe community health and illness.</li> <li>• Carry out a simple health research project.</li> <li>• Utilise a range of resources such as the library, health journals, interviews and computers in the process of epidemiological research.</li> <li>• Work in a cross-disciplinary group using effective time management, organisational and communication skills.</li> <li>• Prepare a research report/poster of a standard acceptable for publication or presentation at a Faculty, Community or University research forum</li> </ul>
<b>Main Content</b>	<p><b>Descriptive epidemiology</b></p> <ul style="list-style-type: none"> <li>• What is epidemiology?</li> </ul>

	<ul style="list-style-type: none"><li>• Demography, Rates, Indicators and Outbreaks</li><li>• Study designs, screening and surveillance</li><li>• Natural history of disease. Causation</li></ul> <b>Basic Statistics for Health Research</b> <ul style="list-style-type: none"><li>• Types of data and measures of central tendency</li><li>• Using measures of dispersion</li><li>• Test for association between two variables</li></ul> <b>Health Research Methods</b> <ul style="list-style-type: none"><li>• Planning a study</li><li>• Sampling and data collection</li><li>• Critical journal reading</li><li>• Report-writing and communication</li></ul> <b>Computer skills for Research</b> <ul style="list-style-type: none"><li>• Computer basics and word processing</li><li>• Access Internet information</li><li>• Spreadsheets and graphics</li><li>• EpiInfo 200</li></ul>			
Pre-requisite modules	None			
Co-requisite modules	None			
Prohibited module Combination	None			
Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	45	Lectures p.w.	18	Assignments & tasks
Assignments & tasks:	15	Practicals p.w.	24	
Practicals:	20	Tutorials p.w.	15	
Assessments:	2			
Selfstudy:	18			
Other:	5			
Total Learning Time	80			
Methods of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
Assessment Module type	Continuous and Final Assessment (CA)			

Faculty	Dentistry
Home Department	Department of Community Oral Health
Module Topic	Epidemiology
Generic Module Name	Measuring Health and Disease
Alpha-numeric Code	MHD320
NQF Level	6
NQF Credit Value	10
Duration	Semester
Proposed semester to be offered	Second Semester
Programmes in which the module will be offered	BDS (5101) BOH (5211)
Year level	3

<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Critically review and interpret basic epidemiological texts.</li> <li>• Describe the community in relation to a variety of epidemiological indicators to measure the occurrence of health-related states in populations, including the causes of death and disability.</li> <li>• Assess the quality and relevance of data used to describe community health and illness.</li> <li>• Carry out a simple health research project.</li> <li>• Utilise a range of resources such as the library, health journals, interviews and computers in the process of epidemiological research.</li> <li>• Work in a cross-disciplinary group using effective time management, organisational and communication skills.</li> <li>• Prepare a research report/poster of a standard acceptable for publication or presentation at a faculty, community or university research forum.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Descriptive epidemiology <ul style="list-style-type: none"> <li>• What is epidemiology?</li> <li>• Demography, Rates, Indicators and Outbreaks.</li> <li>• Study designs, Screening and surveillance.</li> <li>• Natural history of disease. Causation</li> </ul> </li> <li>• Basic Statistics for Health Research <ul style="list-style-type: none"> <li>• Types of data and measures of central tendency</li> <li>• Using measures of dispersion.</li> <li>• Test for association between two variables.</li> </ul> </li> <li>• Health Research Methods <ul style="list-style-type: none"> <li>• Planning a study.</li> <li>• Sampling and data collection.</li> <li>• Critical journal reading.</li> <li>• Report-writing and communication.</li> </ul> </li> <li>• Computer Skills for Research <ul style="list-style-type: none"> <li>• Computer basics and word processing</li> <li>• Access Internet information</li> <li>• Spreadsheets and graphics</li> <li>• EpiInfo 2000</li> </ul> </li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	18	
<i>Assignments &amp; tasks:</i>	15	<i>Practicals p.w.</i>	24	
<i>Practicals:</i>	20	<i>Tutorials p.w.</i>	15	
<i>Assessments:</i>	2			
<i>Selfstudy:</i>	18			

<i>Other:</i>	5			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Natural Sciences
<b>Home Department</b>	Medical Biosciences
<b>Module Topic</b>	The Microbiology of Oral and Systemic Infectious Diseases
<b>Generic Module Name</b>	Medical Microbiology for Dentistry 355
<b>Alpha-numeric Code</b>	<b>MIC355</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Describe the causative agent, reservoir, mode of transmission, signs and symptoms, pathogenesis, treatment and basic laboratory diagnosis of the major oral infections and infectious diseases of the body systems.</li> <li>Apply antimicrobial stewardship and infection control in the clinical environment.</li> </ul>
<b>Main Content</b>	<p>The main course content includes:</p> <ul style="list-style-type: none"> <li>Basic immunology including the ecosystems of the oral cavity and other organ systems</li> </ul> <p>Bacterial, viral, fungal and protozoal causes of:</p> <ul style="list-style-type: none"> <li>Infections of the body's surfaces and skeletal system</li> <li>Infections of the respiratory tract</li> <li>Oral endogenous infections and their effect on distant body sites (e.g. Cardiovascular, pregnancy, alzheimers etc);</li> <li>Salivary gland infections and cervicofacial actinomycosis</li> <li>Infections of the digestive system and food intoxication</li> <li>Infections of the genito-urinary tract, the cardiovascular and lymphatic systems and the central nervous system</li> <li>Common childhood infections and fever of unknown origin</li> <li>Antimicrobial stewardship, sterilization and infection control.</li> </ul>
<b>Pre-requisite modules</b>	BDP220
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	60	Lectures p.w.	2.5	
Assignments & tasks:	30	Practicals p.w.	0	
Practicals:	0	Tutorials p.w.	0	
Assessments:	0			
Selfstudy:	70			
Other:	40			
<b>Total Learning Time</b>	<b>200</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Conservative Dentistry			
<b>Module Topic</b>	Non-Invasive and Minimally Invasive Restorative Dentistry			
<b>Generic Module Name</b>	Non-Invasive and Minimally Invasive Restorative Dentistry 220			
<b>Alpha-numeric Code</b>	<b>NRT220</b>			
<b>NQF Level</b>	6			
<b>NQF Credit Value</b>	10			
<b>Duration</b>	Semester			
<b>Proposed semester to be offered</b>	Second Semester			
<b>Programmes in which the module will be offered</b>	BDS (5101)			
<b>Year level</b>	2			
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Discuss the dynamic nature of the caries process.</li> <li>• Implement a re-mineralization strategy.</li> <li>• Institute a preventive programme.</li> <li>• Restore irreversible lesions with the art technique and minimally invasive restorative techniques.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Review of dental caries</li> <li>• Review – role of fluoride</li> <li>• Introduction to dental materials concentrating on the resin based materials and glass ionomers</li> <li>• Principles of cavity preparation for minimally invasive restorations</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	16	Lectures p.w.	0	
Assignments & tasks:	0	Practicals p.w.	0	

<i>Practicals:</i>	40	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	4			
<i>Selfstudy:</i>	20			
<i>Other:</i>	20			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostic Cluster
<b>Module Topic</b>	Oral Biology
<b>Generic Module Name</b>	Oral Biology 210
<b>Alpha-numeric Code</b>	<b>OBI210</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	25
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe the development and clinical genetics of the oral activity and related structures.</li> <li>• Describe and illustrate the normal macroscopic, microscopic and molecular features of the oral cavity and related structures.</li> <li>• Explain the relationship between structure and functions of all the soft and hard tissues of the oro-facial complex.</li> <li>• Explain the application of all the above in clinical dentistry.</li> <li>• Identify individual human teeth and place them in the correct position in the relevant arch.</li> <li>• Describe the morphology of any given human tooth for maxillary and mandibular arches from the central incisor to the second molar.</li> <li>• Draw the teeth, illustrating the salient morphological properties.</li> <li>• Construct in wax, on a given model, any tooth which is required.</li> <li>• Explain the importance of curvatures and the position of the contact areas.</li> </ul>
<b>Main Content</b>	<p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>• General craniofacial embryology and structure</li> <li>• Bone</li> <li>• Odontogenesis and microscopic structure of dental tissue</li> <li>• The periodontium</li> <li>• Tooth eruption</li> <li>• The sensitivity of teeth</li> </ul>

	<ul style="list-style-type: none"> <li>• The oral mucosa</li> <li>• The salivary glands and saliva</li> <li>• The temporomandibular joint (tmj)</li> <li>• Lymphoid structures of the oral cavity</li> <li>• Relevant terminology to describe hard and soft tissue of the oral cavity</li> <li>• Significance of tooth morphology</li> <li>• Morphology of individual teeth</li> <li>• Methods of identifying and locating teeth</li> <li>• Drawing teeth</li> <li>• Modeling teeth in wax</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	110	<i>Lectures p.w.</i>	4
<i>Assignments &amp; tasks:</i>	60	<i>Practicals p.w.</i>	2
<i>Practicals:</i>	35	<i>Tutorials p.w.</i>	4
<i>Assessments:</i>	20		
<i>Selfstudy:</i>	25		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>250</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Oral Diseases and Prevention
<b>Generic Module Name</b>	Oral Diseases and Prevention 310
<b>Alpha-numeric Code</b>	<b>ODP310</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	25
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe current trends and management of selected oral diseases/oral related health problems.</li> <li>• Identify, describe and critically evaluate prevention strategies for selected oral diseases/oral related health problems.</li> <li>• Evaluate the relative merits of different prevention options based on evidence based dentistry.</li> </ul>

	<ul style="list-style-type: none"> <li>• Assume responsibility for oral health actions and care based on accepted scientific theories and research as well as the accepted standard of care.</li> <li>• Critique interventions issues around fluoride, diet, sugar and dental caries.</li> <li>• Generate options as oral hygienists to improve quality of care in a variety of settings.</li> </ul>			
<b>Main Content</b>	<p>Current trends and management of selected oral diseases/ oral related health problems:</p> <ul style="list-style-type: none"> <li>• Periodontal Disease</li> <li>• Oral Cancer</li> <li>• HIV/Aids</li> <li>• Dental Caries</li> </ul> <p><u>Prevention as an evidence approach:</u></p> <ul style="list-style-type: none"> <li>• A conceptual basis for dental prevention priorities</li> <li>• Caries prevention and the notion of risk</li> <li>• Caries, fluoride and fluoridation</li> <li>• Public oral health and clinical interventions (e.g. Fissure sealants, fluoride gel, calculus removal/scaling)</li> <li>• Diet, nutrition and oral health</li> <li>• Preventing the ignored oral disease</li> <li>• Oral disease prevention strategies and risk factors – (e.g. smoking cessation and nutrition)</li> <li>• Policy and planning</li> <li>• Quality of care</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	105	<i>Lectures p.w.</i>	3	Assignments & tasks
<i>Assignments &amp; tasks:</i>	40	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	20			
<i>Selfstudy:</i>	85			
<b>Total Learning Time</b>	<b>250</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

  

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Pathology
<b>Module Topic</b>	Oral Diseases
<b>Generic Module Name</b>	Oral Diseases 120
<b>Alpha-numeric Code</b>	<b>ODS120</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester

<b>Proposed semester to be offered</b>	Second semester
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year Level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Correctly use the terminology of pathology in oral and written communication.</li> <li>• Explain the different causes (aetiology) of diseases.</li> <li>• Describe the different possible events (pathogenesis) which can occur following exposure to aetiological factors and which lead to damage and/or death of cells and tissue in humans.</li> <li>• Describe the changes in normal morphology and function that can result from cell damage or cell death, and how this can cause clinical symptoms and signs.</li> <li>• Describe the aetiology, pathogenesis and consequences of thrombo-embolic disorders.</li> <li>• Name the vascular causes of ischaemia, giving examples of each.</li> <li>• Define ischaemia, infarction, and shock.</li> <li>• Define embolism and explain and discuss the types, consequences and complications of emboli.</li> <li>• Describe the appearance of and explain the causes of infarction.</li> <li>• Name and describe the main types of shock.</li> <li>• Define and differentiate between acute and chronic inflammation.</li> <li>• Name the causes of acute and chronic inflammation with specific reference to gingivitis and periodontitis and dental caries.</li> <li>• Name the cardinal signs of acute inflammation and explain the pathogenesis of each in terms gingivitis, periodontitis and dental caries.</li> <li>• Explain the different morphological patterns, consequences and outcomes of acute and chronic inflammation with reference to gingivitis, periodontitis and dental caries.</li> <li>• Name the cell types involved in acute and chronic inflammation.</li> <li>• Define ulceration and explain the aetiology of ulcers.</li> <li>• List the causes of granulomatous inflammation and describe its pathogenesis.</li> <li>• Define neoplasia.</li> <li>• Clinically differentiate between benign and malignant neoplasms.</li> <li>• Explain the consequence of malignancy.</li> <li>• Describe the manner in which malignant neoplasms spread.</li> <li>• Describe the systemic and local effects of malignancy.</li> <li>• Describe the important cause of haematological diseases.</li> </ul>

	<ul style="list-style-type: none"> <li>• Identify signs and causes of anaemia.</li> <li>• Investigate the history of excessive bleeding in general.</li> <li>• Differentiate between clotting defects and coagulation defects.</li> <li>• Recognize and describe the clinical features and causes of haemorrhagic diseases.</li> <li>• Identify primary and secondary immunodeficiencies.</li> <li>• Identify and explain the aetiology and clinical features of allergies and auto-immune disease.</li> <li>• Systematically list and describe the causes and clinical features of cervical lymphadenopathy.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Introduction to pathology and basic terminology</li> <li>• Genetic and environmental causes of disease</li> <li>• Disorders of growth, differentiation, and morphogenesis</li> <li>• Responses to cellular injury</li> <li>• Ischaemia, infarction and shock</li> <li>• Healing and repair in relation to gingivitis and periodontitis</li> <li>• Acute and chronic inflammation with special reference to gingivitis, periodontitis and dental caries</li> <li>• Clinical features, classification, histopathology and radiographic features in periodontal disease.</li> <li>• Carcinogenesis in neoplasia</li> <li>• Anaemias</li> <li>• Hemorrhagic diseases</li> <li>• Immunodeficiencies</li> <li>• Allergy and autoimmune disease</li> <li>• Cervical lymphadenopathy</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	12		
<i>Selfstudy:</i>	18		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		
<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Oral Medicine and Periodontology		
<b>Module Topic</b>	Oral Diseases II		
<b>Generic Module Name</b>	Oral Diseases II		
<b>Alpha-numeric Code</b>	<b>ODS210</b>		

<b>NQF Level</b>	6
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Use basic pathology terminology and clinical terms that refer to pathological conditions correctly.</li> <li>• Describe anatomical locations within the oral cavity and recognise normal anatomical features of the oral cavity.</li> <li>• Describe and conduct a systematic procedure for examining a patient with a suspected oral pathology.</li> <li>• Classify periodontal diseases.</li> <li>• Diagnose clinically and radiographically certain oral pathological conditions.</li> <li>• Explain the causes of gingival enlargements and recession and identify them clinically.</li> <li>• Identify the signs and symptoms of oral mucosal diseases and oral hard tissues diseases to obtain differentially diagnose of diseases, manage patients and evaluate patient's response to treatment.</li> <li>• Use information from epidemiology, oral surgery, radiology and pharmacology to explain the management of certain oral diseases.</li> <li>• Take cytological smears of lesions of the oral mucosa and areas of sepsis in bone.</li> <li>• Identify and describe developmental conditions, infections, metabolic diseases and other non neo-plastic diseases of the hard and soft tissues of the mouth.</li> <li>• Identify and describe odontogenic cysts and tumours, tumour-like lesions of the jaws, benign and malignant neoplasms of hard and soft tissues of the mouth, pre-malignant lesions of the oral mucosa and oral cancer.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Terminology</li> <li>• Clinical examination</li> <li>• Dental caries</li> <li>• Oral pathology of gingivitis and periodontitis</li> <li>• Non-infective stomatitis and ulceration and cell damage</li> <li>• Melanoma and other pigmented lesions</li> <li>• Mucosal infections</li> <li>• Soft tissue neoplasms</li> <li>• HIV infection and oral manifestation</li> <li>• Tongue disorders</li> <li>• Common benign mucosal swellings</li> <li>• Neo-plastic and non-neoplastic diseases of salivary glands</li> <li>• Oral pre-malignancy</li> <li>• Pulpitis, periapical infection, resorption, hypercementosis</li> </ul>

	<ul style="list-style-type: none"> <li>• Cysts of the jaws</li> <li>• Major infections of the mouth, jaw and perioral tissues</li> <li>• Non-odontogenic tumours of the jaws and odontogenic tumours and tumour-like jaw lesions</li> <li>• Developmental disorders of teeth and related tissues</li> <li>• Genetic, metabolic and non-neoplastic bone diseases</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	15	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	3	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	12		
<i>Selfstudy:</i>	30		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Oral Health Promotion I
<b>Generic Module Name</b>	Oral Health Promotion I
<b>Alpha-numeric Code</b>	<b>OHP213</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	15
<b>Duration</b>	Semester
<b>Proposed semester to be offered.</b>	First semester
<b>Programmes in which the module will be offered.</b>	BOH (5211)
<b>Year Level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Demonstrate detailed knowledge of the theory and concepts of health and oral health promotion, strategies and methods, selected settings and implementation of oral health promotion.</li> <li>• Identify and discuss social determinants influencing oral health and the mechanisms by which they do so.</li> <li>• Critique the South African approach to oral health promotion and prevention.</li> <li>• Select, develop, implement and evaluate oral health education and promotion activities at the level of the</li> </ul>

	individual patient and the broader community, taking into account the context, relevant theories, literature and evidence.		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Theory, concepts and strategies for health and oral health promotion</li> <li>Oral health promotion within the domains of the oral hygienist and the UWC graduate</li> <li>Society, health and oral health</li> <li>Oral health promotion and communication</li> <li>Oral health and oral health promotion within the South African context</li> <li>Teamwork and the interdisciplinary nature of oral health promotion</li> <li>Ethics in health and oral health promotion.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Time-table Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	90	<i>Lectures p.w.</i>	5
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	1
<i>Assessment:</i>	5	<i>Tutorials p.w.</i>	1
<i>Practicals:</i>	10		
<i>Selfstudy</i>	15		
<i>Other: Community based service learning</i>	20		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Oral Health Promotion II
<b>Generic Module Name</b>	Oral Health Promotion II
<b>Alpha-numeric Code</b>	<b>OHP320</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	20
<b>Duration</b>	Semester
<b>Proposed semester to be offered.</b>	Second Semester
<b>Programmes in which the module will be offered.</b>	BOH (5211)
<b>Year Level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Demonstrate integrated knowledge of health and oral health promotion; strategies of, settings for and implementation of oral health promotion interventions.</li> </ul>

	<ul style="list-style-type: none"> <li>Critically discuss oral health issues in relation to determinants of health and the politics of health and oral health promotion.</li> <li>Critically discuss the role of the dental team in promoting oral health within the South African context, taking into account the South African approach to promoting oral health.</li> <li>Present oral health promotion based on ethical principles, current evidence and social context at a community and individual level.</li> <li>Access professional and social networks and resources to assist oral health promotion initiatives.</li> <li>Work effectively in an interdisciplinary team or group, take responsibility for decisions and actions within defined contexts, including the responsible use of resources.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Theory and practice of oral health promotion</li> <li>Oral health promotion within the South African and global context</li> <li>The politics and health and oral health promotion.</li> <li>Roles and competencies of the oral hygienist as a health promotion practitioner in the public and private sectors</li> <li>Research to inform oral health promotion action.</li> <li>Ethics and oral health promotion.</li> <li>Working in a multi and interdisciplinary team to promote health and oral health.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Time-table Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	110	<i>Lectures p.w.</i>	6
<i>Assignments &amp; tasks:</i>	20	<i>Practicals p.w.</i>	2
<i>Assessment:</i>	10	<i>Tutorials p.w.</i>	0
<i>Practicals:</i>	0		
<i>Selfstudy</i>	30		
<i>Other: Community- based service learning</i>	30		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

  

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Periodontology
<b>Generic Module Name</b>	Periodontology 301
<b>Alpha-numeric Code</b>	<b>OMP301</b>

NQF Level	7		
NQF Credit Value	20		
Duration	Year		
Proposed semester to be offered.	Both Semesters		
Programmes in which the module will be offered.	BDS (5101)		
Year Level	3		
Main Outcomes	On completion of this module, e student should be able to: <ul style="list-style-type: none"><li>• Demonstrate an understanding of the aetiology, pathology and epidemiology of diseases of the periodontium and be familiar with the fluids of the oral cavity</li><li>• Recognize and describe the influence of systemic conditions and risk factors associated with periodontal disease</li><li>• Be competent in formulating a periodontal diagnosis and executing non-surgical periodontal therapy</li><li>• Demonstrate an understanding of the healing process of the periodontium and stages of therapy</li><li>• Effectively communicate with patients from all backgrounds</li><li>• Display appropriate professional behavior in a clinical setting and display ethical and moral conduct whilst managing patients</li><li>• Maintain accurate and complete patient records in a confidential manner and obtain informed consent</li><li>• Recognize patient concerns, limitations in the underprivileged and those with special needs and appropriately discuss and support management options</li><li>• Evaluate the need of treatment urgency and/or prompt referral for patients presenting with dental emergencies</li></ul>		
Main Content	Biologic basis of Periodontology Clinical Periodontology		
Pre-requisite modules	None		
Co-requisite modules	None		
Prohibited module Combination	None		
Breakdown of Learning Time	Hours	Time-table Requirement per week	Other teaching modes that does not require time-table
Contact with lecturer / tutor:	30	Lectures p.w.	1
Assignments & tasks:	12	Practicals p.w.	1
Assessment:	20	Tutorials p.w.	0
Practicals:	78		
Selfstudy	60		
Other:	0		
Total Learning Time	200		
Methods of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
Assessment Module type	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Oral Medicine and Periodontology II
<b>Generic Module Name</b>	Oral Medicine and Periodontology 400
<b>Alpha-numeric Code</b>	<b>OMP400</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Recognize, diagnose and treat various diseases that affect the oral mucosa.</li> <li>• Recognize oral manifestations of dermatological, internal, blood and nutritional diseases.</li> <li>• Recognize and be able to discuss oral diseases and their clinical manifestations.</li> <li>• Classify periodontal disease and oral medicine related conditions.</li> <li>• Discuss the aetiology and pathogenesis thereof</li> <li>• Identify and diagnose periodontal diseases clinically and radiographically.</li> <li>• Initiate and manage early interventive procedures for periodontal disease and oral medicine related conditions.</li> <li>• Recognize and remove all calculus deposits using power driven and hand scalers.</li> <li>• Recognize and remove all plaque deposits using the polishing hand piece with polishing cup or brush.</li> <li>• Evaluate patient's response to treatment and record the changes that are observed.</li> <li>• Explain the rationale for the different periodontal surgical procedures which may be used in the treatment of advanced periodontal disease.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Effects of smoking on the periodontium and oral mucosa</li> <li>• Review pathology of gingivitis and periodontitis</li> <li>• Maintenance and prevention of periodontal disease</li> <li>• Periodontal emergencies</li> <li>• Periodontal wound healing</li> <li>• Viral conditions</li> <li>• Vesiculo-bullous lesions</li> <li>• Blood dyscrasias</li> <li>• Halitosis</li> <li>• Oral mucosal lesions in internal disease</li> <li>• Endocrine disorders</li> <li>• Nutritional deficiencies</li> <li>• Tongue lesions</li> <li>• Periodontal surgery</li> </ul>

	<ul style="list-style-type: none"> <li>• Drugs in oral medicine</li> <li>• Flap techniques for pocket therapy and open curettage</li> <li>• Gingivectomy and gingivoplasty</li> <li>• Management of bone defects and furcation lesions</li> <li>• Crown lengthening</li> <li>• Ridge augmentation and soft tissue transplants/ regeneration procedures</li> <li>• Periodontal wound healing</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	35	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	40	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	15	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	50		
<i>Selfstudy:</i>	50		
<i>Other:</i>	10		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Oral Medicine and Periodontology III
<b>Generic Module Name</b>	Oral Medicine and Periodontology 511
<b>Alpha-numeric Code</b>	<b>OMP511</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	5
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Communicate with the patient to elicit all pertinent information adhering to ethical code of practice at all times.</li> <li>• Conduct a clinical examination.</li> <li>• Record clinical data obtained.</li> <li>• Correlate clinical data with prior theoretical knowledge to define and justify a reasonable diagnosis / differential diagnosis.</li> <li>• Identify any additional diagnostic procedures required to develop a definitive diagnosis.</li> </ul>

	<ul style="list-style-type: none"> <li>Recommend an appropriate intervention.</li> <li>Justify deferment of any intervention /treatment when necessary.</li> <li>Decide and justify referral of a patient for treatment.</li> <li>Evaluate the patient's response to treatment and record the observed changes in the patient's sign and symptoms.</li> <li>Justify the need for further or ongoing intervention.</li> </ul>		
<b>Main Content</b>	Periodontology: <ul style="list-style-type: none"> <li>Patient examination and disease classification</li> <li>Periodontal medicine</li> <li>Management of periodontal diseases</li> </ul> Oral medicine: <ul style="list-style-type: none"> <li>Patient examination</li> <li>Identification, description and diagnosis of peri-oral and oral lesions</li> <li>Aetiology and pathogenesis of peri-oral and oral lesions</li> <li>Management of peri-oral and oral lesions</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	23	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	12	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	29	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	6		
<i>Selfstudy:</i>	30		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Pathology
<b>Module Topic</b>	Oral Pathology
<b>Generic Module Name</b>	Oral Pathology 400
<b>Alpha-numeric Code</b>	<b>OPA400</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	4

<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Correctly use the terminology of oral pathology in oral and written communication.</li> <li>• Be able to apply the principles of investigations and diagnosis of oral lesions and disease by using histology and cytopathological sampling methods.</li> <li>• Classify (where possible) and describe the aetiology, pathogenesis, clinical, pertinent radiographic and histological features, the prognosis and explain the principles of treatment of:             <ul style="list-style-type: none"> <li>• Commonly occurring developmental and acquired disturbances of teeth and their supporting structures</li> <li>• Stomatitis (infective and non-infective)</li> <li>• Disorders of facial bones and jaws</li> <li>• Disorders of the oral mucosa and oral soft tissues</li> <li>• Salivary gland disease</li> </ul> </li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Revision of normal histology of oral hard and soft tissues</li> <li>• Pathology of the jaw bones and dental apparatus</li> <li>• Pathology of the oral mucosa and the supporting soft tissues</li> <li>• Pathology of the salivary glands</li> <li>• Pathology of the oral manifestations in the medically compromised patient</li> <li>• Theory and practice of oral pathology investigations.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	70	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	5	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	15		
<i>Selfstudy:</i>	110		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics
<b>Module Topic</b>	Basic Orthodontics
<b>Generic Module Name</b>	Basic Orthodontics 320
<b>Alpha-numeric Code</b>	<b>ORT320</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester

<b>Proposed semester to be offered.</b>	Second semester			
<b>Programmes in which the module will be offered.</b>	BDS (5101)			
<b>Year Level</b>	3			
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Briefly explain the various growth concepts and theories.</li> <li>• Apply these growth concepts and theories to the growth of the face.</li> <li>• Recognize the effect of normal function on the growth of the face.</li> <li>• Explain the stages and milestones of the normal development of the dentition.</li> <li>• Describe the normal permanent dentition.</li> <li>• Design and construct retentive and active components of removable orthodontic appliances.</li> <li>• Recognize faults in component design and fabrication.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Fabrication of the following components of removable appliances; active components, retentive components.</li> <li>• Normal post-natal growth and development of the face.</li> <li>• Development of the dentition</li> <li>• Normal occlusion (Andrews 6 keys)</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Time-table Requirement per week</b>		<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	10	<i>Lectures p.w.</i>	1	
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	4 day block	
<i>Assessment:</i>	2	<i>Tutorials p.w.</i>	0	
<i>Practicals:</i>	80			
<i>Selfstudy</i>	8			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics
<b>Module Topic</b>	Orthodontics
<b>Generic Module Name</b>	Orthodontics 400
<b>Alpha-numeric Code</b>	<b>ORT400</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	20

<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	4		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Clinically examine and evaluate patients with malocclusions.</li> <li>• Recognize factors contributing to the malocclusion.</li> <li>• Obtain orthodontic records for case analysis.</li> <li>• Apply and interpret specific orthodontic analysis.</li> <li>• Draw up a diagnosis and treatment plan.</li> <li>• Diagnose and treat patients with simple removable appliances.</li> <li>• Apply orthopedic appliances in suitable cases.</li> <li>• Evaluate and adjust removable appliances for their patients.</li> <li>• Predict the outcome of their planned treatment.</li> <li>• Plan a post treatment retention protocol.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Orthodontic examination</li> <li>• Mixed dentition radiographic interpretation</li> <li>• Identification of developmental anomalies</li> <li>• Cephalometrics</li> <li>• Growth and development of the face</li> <li>• Age factor in orthodontics</li> <li>• Hand wrist radiograph analysis</li> <li>• Space analysis</li> <li>• Bolton analysis</li> <li>• Steps in treatment planning</li> <li>• Diagnosis and treatment planning</li> <li>• Orthodontic materials</li> <li>• Biology of tooth movement</li> <li>• Anchorage</li> <li>• Preventive and interceptive orthodontics</li> <li>• Treatment of anomalies</li> <li>• Methods of gaining space</li> <li>• Orthodontic appliances</li> <li>• Orthopedic appliances</li> <li>• Habits related to malocclusion</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	70	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	20	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	80	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		

<i>Selfstudy:</i>	20			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>200</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics
<b>Module Topic</b>	Clinical Orthodontics
<b>Generic Module Name</b>	Clinical Orthodontics
<b>Alpha-numeric Code</b>	<b>ORT511</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	5
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Apply preventive orthodontics in practice.</li> <li>• Clinically examine and evaluate patients with malocclusions.</li> <li>• Differentiate between the need for interceptive or comprehensive orthodontic treatment.</li> <li>• Identify and refer patients for comprehensive orthodontic treatment if they are not suitable for interceptive orthodontics.</li> <li>• Obtain orthodontic records for interceptive case analysis.</li> <li>• Interpret all the interceptive orthodontic records.</li> <li>• Draw up an interceptive diagnostic list.</li> <li>• Propose an interceptive orthodontic treatment plan.</li> <li>• Treat patients with simple removable appliances.</li> <li>• Apply orthopaedic appliances in suitable cases.</li> <li>• Evaluate and adjust interceptive removable appliances for the patients.</li> <li>• Predict the outcome of the planned treatment.</li> <li>• Plan a post treatment retention protocol.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Indications for interceptive orthodontics</li> <li>• Limitations of interceptive orthodontics</li> <li>• Appliance choice and design</li> <li>• Appliance construction and management</li> <li>• Post treatment stability.</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	40	Lectures p.w.	0	
Assignments & tasks:	5	Practicals p.w.	1	
Practicals:	40	Tutorials p.w.	1	
Assessments:	5			
Selfstudy:	10			
Other:	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Pathology
<b>Module Topic</b>	Systemic Pathology
<b>Generic Module Name</b>	Systemic Pathology 310
<b>Alpha-numeric Code</b>	<b>PAT310</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Categorise and explain the nature of various disease states commonly encountered in the human body at an organosystemetic level.</li> <li>• Competently identify and describe the morphology, aetiology and underlying general principles operating in disease within the major organ systems of the body.</li> <li>• Explain the relationship between pathological processes at cellular level and their manifestation at an organosystemic level.</li> <li>• Relate the microscopic cellular changes occurring in organs in which pathological processes are occurring to the macroscopic appearance of morbid anatomical specimens.</li> <li>• Relate basic disease states at a cellular level and grasp anatomical level to the overt clinical signs and symptoms seen in those disorders.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Disorders of the nervous system</li> <li>• Cardiovascular abnormalities</li> <li>• Disorders of bone and joints</li> <li>• Disorders of skin</li> <li>• Respiratory disorders</li> <li>• Disorders of the kidneys</li> <li>• Hematopoietic and lymphoid diseases</li> </ul>

	<ul style="list-style-type: none"> <li>• Endocrine abnormalities</li> <li>• Gastrointestinal disorders</li> <li>• Hepatobiliary disorders</li> <li>• Blood and bone marrow pathology</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Tutorials:</i>	40	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	15		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Natural Sciences
<b>Home Department</b>	School of Pharmacy (Pharmacology)
<b>Module Topic</b>	Dental Pharmacology
<b>Generic Module Name</b>	Dental Pharmacology 305
<b>Alpha-numeric Code</b>	<b>PCL305</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	7
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Apply the basic principles underpinning the action of drugs to rational pharmacotherapy</li> <li>• Discuss the mechanism of action, side effects and potential drug interactions of drugs used in the treatment of dental conditions and common medical conditions.</li> <li>• Discuss the mechanism of action, side effects and potential drug interactions of drugs used in selected common disease states.</li> <li>• Apply rational pharmacotherapy to the treatment of dental conditions and common medical conditions.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Basic principles of drug action</li> <li>• Local anaesthetics</li> <li>• Drugs acting on the respiratory system</li> <li>• Antimicrobial chemotherapy</li> </ul>

	<ul style="list-style-type: none"> <li>• Cancer chemotherapy</li> <li>• Drugs and the immune system</li> <li>• Drugs acting on the cardiovascular system</li> <li>• Drugs acting on the Endocrine system</li> <li>• Drugs acting on the Central Nervous System</li> <li>• Analgesic and anti-inflammatory agents</li> <li>• The P-drug concept and basic principles of pharmacotherapy</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	120	<i>Lectures p.w.</i>	4
<i>Assignments &amp; tasks:</i>	20	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	10	<i>Tutorials p.w.</i>	0
<i>Assessment:</i>	10		
<i>Selfstudy:</i>	40		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Paediatric Dentistry
<b>Module Topic</b>	Paediatric Dentistry
<b>Generic Module Name</b>	Paediatric Dentistry 400
<b>Alpha-numeric Code</b>	<b>PED400</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <p><b>Communication</b></p> <ul style="list-style-type: none"> <li>• Communicate with the paediatric patient and the parent/ caregiver as well as other health professionals.</li> <li>• Refer patient to the appropriate health care provider when necessary.</li> </ul> <p><b>Diagnosis and treatment planning</b></p> <ul style="list-style-type: none"> <li>• Formulate a diagnosis and comprehensive treatment plan taking the patient's treatment needs into consideration.</li> </ul>

	<p><b>Behaviour Management</b></p> <ul style="list-style-type: none"> <li>• Distinguish between normal and abnormal physical and psychological development of the child.</li> <li>• Apply the principles of behavior management.</li> <li>• Identify the need to refer for pharmacotherapeutic intervention (sedation/GA).</li> </ul> <p><b>Prevention</b></p> <ul style="list-style-type: none"> <li>• Select suitable preventive measures that are relevant to each clinical situation.</li> <li>• Plan a preventive strategy tailored to the patients's needs.</li> </ul> <p><b>Caries management</b></p> <ul style="list-style-type: none"> <li>• Recognise the state and extent of the decay in the primary tooth.</li> <li>• Active, arrested or rampant to effect treatment.</li> </ul> <p><b>Restorative</b></p> <ul style="list-style-type: none"> <li>• Identify the morphologic differences between primary and permanent teeth and the impact it has on restorative procedures.</li> <li>• Treat caries relevant restorative techniques.</li> <li>• Select the appropriate restorative materials and motivate choice of materials.</li> </ul> <p><b>Pulp therapy</b></p> <ul style="list-style-type: none"> <li>• Recognise the indications and contraindications for all pulp therapy procedures in a child.</li> <li>• Perform pulp therapy procedures on primary and permanent teeth.</li> </ul> <p><b>Prosthetic procedure</b></p> <ul style="list-style-type: none"> <li>• Identify malocclusions and recognise the need for interceptive treatment and/ or orthodontic referral.</li> <li>• Construct appliances for space maintenance.</li> </ul> <p><b>Trauma</b></p> <ul style="list-style-type: none"> <li>• Distinguish between and manage different types of dental trauma.</li> </ul> <p><b>Hard and soft tissue lesions</b></p> <ul style="list-style-type: none"> <li>• Distinguish between normal and abnormal anatomy of the oral cavity.</li> <li>• Provide comprehensive dental care for the common oral and dental diseases in the child patients.</li> </ul> <p><b>Special needs patients</b></p> <ul style="list-style-type: none"> <li>• Provide integrated management of patients requiring more specialised care i.e. patients with medical, mental and physical disabilities and/ or diseases.</li> <li>• Recognise and appropriately report suspected cases of child abuse and neglect.</li> <li>• Manage paediatric patients with systemic diseases and disabilities.</li> <li>• Refer the patient to the appropriate health care provider when necessary.</li> </ul>
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<b>Main Content</b>	<b>Pre – Clinical Component</b> <ul style="list-style-type: none"> <li>To familiarize the student with specific paediatric restorative techniques including strip crowns, stainless steel crowns and pulp therapy</li> </ul> <b>Theoretical Component</b> <ul style="list-style-type: none"> <li>Introduction to and basis for Paediatric dentistry.</li> <li>First appointment, diagnosis and treatment planning</li> <li>Dental caries and gingivitis in children.</li> <li>Clinical prevention – role of oral hygiene, diet, fluorides, and fissure sealants for the child.</li> <li>Psychological development of the child</li> <li>Non – pharmacotherapeutic behaviour management</li> <li>Pharmacotherapeutic behaviour management methods (inhalation sedation, intravenous sedation and general anaesthesia)</li> <li>Restorative dentistry for the child patient</li> <li>Pulp therapy for primary and permanent teeth.</li> <li>Dental trauma of the primary and young permanent dentition.</li> <li>Prosthetics, mouth guards, and space maintainers for children.</li> <li>Common soft and hard tissue lesions in children.</li> <li>The special care patient – physically, intellectually, emotionally, and/or medically compromised.</li> <li>The neglected and abused child</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	25	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0	
<i>Preclinical:</i>	12	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	6			
<i>Selfstudy:</i>	19			
<i>Clinical:</i>	78			
<i>Other:</i>	10			
<b>Total Learning Time</b>	<b>150</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Paediatric Dentistry
<b>Module Topic</b>	Paediatric Dentistry V
<b>Generic Module Name</b>	Paediatric Dentistry 511
<b>Alpha-numeric Code</b>	<b>PED511</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	10

<b>Duration</b>	Semester		
<b>Proposed semester to be offered</b>	First Semester		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	5		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Integrate the principles of behaviour management and apply them to the comprehensive management of the child.</li> <li>• Formulate a diagnosis and comprehensive treatment plan.</li> <li>• Manage paediatric patients under general anaesthesia and sedation.</li> <li>• Identify the need to refer children for specialist pharmacotherapeutic management.</li> <li>• Adapt a comprehensive preventive strategy to the child's individual needs.</li> <li>• Treat caries using relevant restorative techniques and materials based on the current evidence.</li> <li>• Recognize the indications and contraindications for all pulp therapy procedures in a child.</li> <li>• Perform pulp therapy procedures on primary and permanent teeth.</li> <li>• Identify malocclusions and recognize the need for interceptive treatment and/ or orthodontic referral.</li> <li>• Construct appliances for space maintenance and/or refer patients appropriately.</li> <li>• Distinguish between and manage different types of dental trauma.</li> <li>• Manage patients requiring more specialized care i.e. Patients with medical, mental and physical disabilities and/ or diseases.</li> <li>• Recognize and appropriately report suspected cases of child abuse and neglect.</li> <li>• Refer the paediatric patient to the appropriate health care provider when necessary.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Integrated patient case presentations</li> <li>• Tutorials</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	15	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	4	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	60	<i>Tutorials p.w.</i>	0

<b>Assessments:</b>	7			
<b>Selfstudy:</b>	14			
<b>Other:</b>	8			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Periodontology for Oral Health
<b>Generic Module Name</b>	Periodontology for Oral Health 210
<b>Alpha-numeric Code</b>	<b>PER210</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	5
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First semester
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Use basic periodontology terminology correctly</li> <li>• Correctly describe anatomical locations within the oral cavity.</li> <li>• Describe and conduct a systematic procedure for examining patient for periodontal disease.</li> <li>• Describe the periodontium and its components.</li> <li>• Classify periodontal diseases.</li> <li>• Identify and diagnose clinically and radiographically the different types of periodontal disease.</li> <li>• Correlate the clinical features and pathogenesis of periodontal diseases.</li> <li>• Explain the causes of gingival enlargements and recession and identify them clinically.</li> <li>• Explain the different factors that contribute to periodontal disease.</li> <li>• Treat the diagnosed condition or refer the patient to the appropriate practitioner for treatment.</li> <li>• Evaluate the patient's response to treatment and implement a maintenance programme.</li> <li>• Provide an explanation of periodontal surgery, osseointegrated implants and wound healing.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Anatomy and physiology of the periodontium</li> <li>• Aetiological factors of periodontitis- local and systemic</li> <li>• Classification, clinical and radiological diagnosis of non-specific gingivitis and periodontitis</li> <li>• Treatment planning for the periodontally affected patient</li> <li>• Treatment of non-specific gingivitis and periodontitis</li> <li>• Acute, chronic, hormonal and hyper-plastic periodontal diseases</li> </ul>

	<ul style="list-style-type: none"><li>• Rationale for periodontal surgery and the referral of complex treatment and management</li><li>• Periodontic-endodontic lesions, restorative, orthodontic</li><li>• Periodontal wound healing</li><li>• Maintenance and prevention after treatment of gingivitis and periodontitis</li><li>• Periodontal emergencies</li><li>• Osseo-integrated implants</li></ul>			
Pre-requisite modules	None			
Co-requisite modules	None			
Prohibited module Combination	None			
Breakdown of Learning Time	Hours	Timetable Requirement per week	Other teaching modes that does not require time-table	
Contact with lecturer / tutor:	25	Lectures p.w.	2	Assignments & tasks
Assignments & tasks:	0	Practicals p.w.	0	
Practicals:	0	Tutorials p.w.	0	
Assessments:	10			
Selfstudy:	15			
Other:	0			
Total Learning Time	50			
Methods of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
Assessment Module type	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Natural Science
<b>Home Department</b>	Physics
<b>Module Topic</b>	Physics for Dentists
<b>Generic Module Name</b>	Physics 113
<b>Alpha-numeric Code</b>	<b>PHY113</b>
<b>NQF Level</b>	15
<b>NQF Credit Value</b>	5
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BSc (Physical Science) (3233); BSc (BCB) (3217); BSc (Biotechnology) (3211); BSc (Chemical Sciences) (3220); BSc (Computer Science) (3221); BSc (EWS) (3331), BSc (Mathematical and Statistical Sciences) (3227), BSc (MBS) (3230)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Have an ability to sensibly discuss in conceptual terms fundamentals of introductory mechanics, elasticity, hydrostatics, X-rays and electricity.</li> <li>• Have an ability to solve both qualitative and quantitative problems in relation to everyday life with special reference to the context of dentistry.</li> </ul>

	<ul style="list-style-type: none"> <li>Have an ability to work in a physics laboratory environment that draws upon fundamentals in recording, representing and interpreting data.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>An introductory appreciation of science as a way of knowing</li> <li>An introduction to vectors: representation, adding, subtracting, scalar product, vector product</li> <li>Equilibrium of a rigid body: Newton's Laws, first condition of equilibrium, friction, second condition of equilibrium (moment of a force / torque).</li> <li>Elasticity: stress, strain and Young's modulus.</li> <li>Hydrostatics: pressure in a fluid, buoyancy, flotation, Pascal's principle, Archimedes' principle, Bernoulli's principle.</li> <li>X-rays: description, creation, and safety.</li> <li>Electricity: Coulomb's law, electric field, electrical potential energy, capacitors and dielectrics, simple circuits.</li> <li>Relevant application to dentistry and pharmacy will be discussed</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	PHY111, PHY116		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	42	<i>Lectures p.w.</i>	3
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	3
<i>Practicals:</i>	42	<i>Tutorials p.w.</i>	1
<i>Tutorials:</i>	14		
<i>Assessments:</i>	9		
<i>Selfstudy:</i>	43		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Principles of Medicine and General Surgery for Dentists
<b>Generic Module Name</b>	Principles of Medicine and General Surgery for Dentists 310
<b>Alpha-numeric Code</b>	<b>PMG310</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	15
<b>Duration</b>	Semester

<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Collect, record, and communicate clinical information in a systematic manner.</li> <li>• Perform a physical examination on a clothed patient.</li> <li>• Identify relevant laboratory investigations and perform hb and hgt tests.</li> <li>• Explain the rationale underlying collection of medical and surgical information.</li> <li>• Use information from patient history and examination to identify medical and surgical abnormalities.</li> <li>• Recognize a cardio-respiratory arrest and perform basic CPR.</li> <li>• Relates clinical features of common medical and surgical conditions with underlying systemic pathology.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• General principles of history-taking</li> <li>• General principles of physical examination</li> <li>• The basic clinical signs and symptoms of the normal cardio vascular system and the disorders <ul style="list-style-type: none"> <li>• Abnormal pulse (basic principles)</li> <li>• Hypertension</li> <li>• Heart failure</li> <li>• Cardiac arrest</li> <li>• Heart valve lesions (basic principles)</li> <li>• Rheumatic disease, infective endocarditis</li> </ul> </li> <li>• The basic clinical signs and symptoms of the normal respiratory system and the disorders <ul style="list-style-type: none"> <li>• Respiratory failure</li> <li>• Pneumothorax</li> <li>• Obstructive lung disease</li> <li>• Dvt and pulmonary embolism</li> </ul> </li> <li>• The basic clinical signs and symptoms of the normal alimentary system and the disorders <ul style="list-style-type: none"> <li>• Liver failure</li> <li>• Hepatitis</li> </ul> </li> <li>• The basic clinical signs and symptoms of the normal genito-renal system and the disorders <ul style="list-style-type: none"> <li>• Renal failure</li> </ul> </li> <li>• The basic clinical signs and symptoms of the normal nervous system and the disorders <ul style="list-style-type: none"> <li>• Head injuries</li> <li>• Strokes</li> <li>• Epilepsy (grand mal)</li> </ul> </li> <li>• The basic clinical signs and symptoms of the normal musculoskeletal system and the disorders <ul style="list-style-type: none"> <li>• Spinal cord injuries</li> </ul> </li> <li>• The basic clinical signs and symptoms of the normal haematological system and the disorders</li> </ul>

	<ul style="list-style-type: none"> <li>. Anaemias</li> <li>. Platelet disorders</li> <li>. Leukemias</li> <li>. Bleeding disorders</li> <li>• Integration of history and examination for the medical and surgical patient including <ul style="list-style-type: none"> <li>. The skin</li> <li>. Eyes and ears</li> <li>. Neck (lymph nodes &amp; thyroid)</li> </ul> </li> <li>• Side room investigations <ul style="list-style-type: none"> <li>. Haemoglobin</li> <li>. Haematocrit</li> <li>. Blood glucose (for dm)</li> <li>. Urine tests ("dipstix")</li> </ul> </li> <li>• Diagnostic investigations <ul style="list-style-type: none"> <li>. Full blood count</li> <li>. Inr, ptt and bleeding time test</li> <li>. Serum electrolytes</li> <li>. Renal function</li> <li>. Liver function</li> <li>. Crp and sedimentation rate</li> <li>. Hiv, hepatitis, syphilis tests</li> <li>. Chest radiography</li> <li>. Mcs of urine/blood</li> </ul> </li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	30	<i>Lectures p.w.</i>	3	
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	20	<i>Tutorials p.w.</i>	2	
<i>Assessments:</i>	20			
<i>Selfstudy:</i>	30			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>150</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			
<b>Faculty</b>	Dentistry			
<b>Home Department</b>	School of Pharmacy			
<b>Module Topic</b>	Pharmacology			
<b>Generic Module Name</b>	Pharmacology for Oral Health 121			
<b>Alpha-numeric Code</b>	<b>POH121</b>			
<b>NQF Level</b>	6			
<b>NQF Credit Value</b>	5			
<b>Duration</b>	Semester			

<b>Proposed semester to be offered</b>	Second Semester
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of the module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Describe the basic principles of drug action.</li> <li>• Discuss and explain the pharmacology and uses of analgesics (Narcotic and non – narcotic) and anti – inflammatory drugs (steroidal and non – steroidal).</li> <li>• Discuss the antimicrobials relevant to their scope of practice.</li> <li>• Discuss the use of antiseptics and disinfectants in dentistry.</li> <li>• Classify sedatives, hypnotics and tranquilizers.</li> <li>• Discuss the principles of sedation and the use of local and general anaesthetics.</li> <li>• Explain the functions of various vitamins and minerals.</li> </ul>
<b>Main Content</b>	<p><b>Basic principles of drug action</b></p> <p><b>Analgesic and anti – inflammatory agents</b></p> <ul style="list-style-type: none"> <li>• NSAIDs</li> <li>• Narcotic analgesics</li> <li>• Atypical analgesics</li> </ul> <p><b>Basic principles of antimicrobial therapy</b></p> <ul style="list-style-type: none"> <li>• Principles of effective chemotherapy</li> <li>• Variable influencing the effectiveness</li> <li>• Therapy with combinations of antimicrobial drugs</li> <li>• Bacterial resistance</li> <li>• Adverse effects of antimicrobial drugs</li> <li>• Drug and diseases interactions</li> <li>• Therapeutic uses in dentistry</li> <li>• Antibacterial agents</li> <li>• Antifungal agents</li> <li>• Antiviral agents</li> <li>• Antiretroviral agents</li> <li>• Mechanism of action</li> <li>• Spectrum of activity</li> <li>• Side effects</li> <li>• Drug interactions</li> <li>• Clinical uses with focus on dental conditions</li> </ul> <p><b>Antiseptics and disinfectants</b></p> <ul style="list-style-type: none"> <li>• Levels of disinfection</li> <li>• Mechanism of action</li> <li>• Mouthwashes</li> </ul> <p><b>Sedatives and Anxiolytics</b></p> <ul style="list-style-type: none"> <li>• Mechanism of action, effects, side effects, toxic effects, clinical uses</li> </ul> <p><u>Anaesthetics</u></p> <ul style="list-style-type: none"> <li>• Conscious sedation</li> <li>• Indications</li> <li>• Contra – indications</li> <li>• Mechanism of action</li> </ul>

	<ul style="list-style-type: none"> <li>• Pre – medication</li> <li>• Routes of administration</li> <li>• Stages of analgesia</li> <li>• Phases of general anaesthesia</li> <li>• Tranquilizers: Mechanism of action, effects, side effects, toxic effects and clinical uses</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	26	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	4	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	4		
<i>Selfstudy:</i>	16		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Prevention
<b>Generic Module Name</b>	Prevention 410
<b>Alpha-numeric Code</b>	<b>PRE410</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	4
<b>Main outcomes:</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Explain philosophical issues in prevention and health promotion.</li> <li>• Critique intervention issues around fluoride, diet, sugar and dental caries.</li> <li>• Appraise the relative merits of different prevention options based on evidence based dentistry.</li> </ul>
<b>Main content:</b>	The module covers topics broadly related to: <ul style="list-style-type: none"> <li>• A conceptual basis for dental prevention priorities</li> <li>• Caries prevention and the notion of risk</li> <li>• Caries, fluoride and fluoridation</li> </ul>

	<ul style="list-style-type: none"> <li>Public oral health and clinical interventions (e.g. fissure sealants, fluoride gel, etc.)</li> <li>Diet, nutrition and oral health</li> <li>Preventing the ignored oral diseases (noma, HIV, hepatitis, etc.)</li> <li>A rationale for rating different oral disease prevention strategies</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	20	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	20		
<i>Selfstudy:</i>	20		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Conservative Dentistry
<b>Module Topic</b>	Practice Management
<b>Generic Module Name</b>	Practice Management 500
<b>Alpha-numeric Code</b>	<b>PRM500</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	5
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	5
<b>Main Outcomes</b>	<p>On completion on this module, the student should able to:</p> <ul style="list-style-type: none"> <li>Identify the legislative and professional bodies and documents governing the dental profession.</li> <li>Analyze factors in the external environment that may affect the business of a dental practice.</li> <li>Apply the key principles of managing a successful dental practice.</li> <li>Locate the financial tools necessary to finance, manage and audit a dental practice.</li> <li>Describe and negotiate on issues of employment such as contracts, salaries and conditions of employment.</li> </ul>

	<ul style="list-style-type: none"> <li>• Explain the dynamics of teamwork in a dental environment.</li> <li>• Explain the legal and ethical responsibilities of professional health care practice in South Africa.</li> <li>• Apply systematic controls to assure quality of care and ethical dental practice.</li> <li>• Identify common areas of stress among dentists and apply stress management techniques.</li> <li>• Identify and apply opportunities for professional and personal development.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Health legislation, statutory bodies and associations</li> <li>• Principles of practice management</li> <li>• Financial management</li> <li>• Ethical principles underlying the practice of dentistry</li> <li>• Teamwork and staff development</li> <li>• Professional development and continuing education</li> <li>• Stress management</li> <li>• Personal development including leadership and communication skills</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	20	<i>Lectures p.w.</i>	2
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	20		
<i>Other:</i>	10		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Prosthetic Dentistry
<b>Module Topic</b>	Introduction to Removable Complete Dentures
<b>Generic Module Name</b>	Prosthetic Dentistry I
<b>Alpha-numeric Code</b>	<b>PRO300</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	3

<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Recognize the value of any existing dentures.</li> <li>• Recognize the influence of complete dentures on the remaining soft tissue and the underlying bone.</li> <li>• Describe the biological basis and biomechanical aspects of denture stability.</li> <li>• Describe and demonstrate the clinical steps and techniques involved in the construction of removable complete dentures.</li> <li>• Recognise limiting anatomical features to the construction of complete dentures.</li> <li>• Recognise and demonstrate basic post-insertion problems and conditions with underlying systemic pathology.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Biological basis of denture support and retention</li> <li>• Oral anatomical landmarks and features</li> <li>• History, examination and treatment planning</li> <li>• Factors affecting outcome of treatment (prognosis)</li> <li>• Consequences of tooth loss</li> <li>• Clinical techniques, procedures and materials</li> <li>• Denture hygiene and maintenance instruction</li> <li>• Residual ridge resorption</li> <li>• Denture related lesions</li> <li>• Common faults in denture construction</li> <li>• Arch forms and neutral zone</li> <li>• Occlusion</li> <li>• Repairs</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	35	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	8	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	77	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	8		
<i>Selfstudy:</i>	14		
<i>Other:</i>	8		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Prosthetic Dentistry
<b>Module Topic</b>	Prosthetic Dentistry II
<b>Generic Module Name</b>	Prosthetic Dentistry 401
<b>Alpha-numeric Code</b>	<b>PRO401</b>
<b>NQF Level</b>	8

<b>NQF Credit Value</b>	25
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Manage patients that present with advanced complications as a result of their edentulous state.</li> <li>• Analyze jaw relations and movements.</li> <li>• Evaluate the biomechanical aspects of tooth arrangement.</li> <li>• Demonstrate the use of alternative occlusal schemes and techniques.</li> <li>• Demonstrate the use of complex articulators.</li> <li>• Apply correct complex post-insertion problems.</li> <li>• Evaluate and describe the principle, rationale and technique in the placement of relines and resilient liners.</li> <li>• Use the biological aspects, principles and techniques in the construction of single dentures.</li> <li>• Demonstrate the changes in form and function of the mouth and jaw, brought about by the loss of some teeth.</li> <li>• Manage the possible social, behavioural and functional consequences of tooth loss.</li> <li>• Design an appropriate treatment plan.</li> <li>• Evaluate and justify the use of acrylic- /metal-based major connector.</li> <li>• Evaluate and recommend the appropriateness of treatment.</li> <li>• Employ the consequences of tooth loss</li> <li>• Illustrate the displacement characteristics of teeth and mucosa.</li> <li>• Demonstrate the technical skills to perform all the procedures involved in the construction of a partial removable prosthesis.</li> <li>• Apply the principles of design to both acrylic-based and metal-based removable partial dentures.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Review Clinical Procedures</li> <li>• Alternate Impression Techniques</li> <li>• Establishment of Jaw Relations</li> <li>• Use of Advanced Articulators</li> <li>• Alternate methods and materials in denture construction</li> <li>• Management of undercuts</li> <li>• Occlusion and Occlusal schemes</li> <li>• Aesthetics</li> <li>• Tissue Conditioning, Relining, Rebasing Procedures</li> <li>• Immediate Dentures</li> <li>• Single Dentures</li> <li>• Denture Related Lesions</li> <li>• Denture Failures</li> </ul>

	<ul style="list-style-type: none"> <li>• Pre-prosthetic Surgery</li> <li>• Geriatric Patient</li> <li>• Kennedy Classification</li> <li>• Choice, Properties and Applications of materials used</li> <li>• Laboratory and Clinical Procedures</li> <li>• Surveyor and Surveying</li> <li>• Biomechanics of Removable Partial Dentures</li> <li>• Major &amp; Minor Connectors; Retainers</li> <li>• Principles of RPD Design</li> <li>• Repairs and Additions to existing RPD's</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	45	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	2
<i>Practicals:</i>	165	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	20		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>250</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Prosthetics
<b>Module Topic</b>	Advanced Removable Prosthetics
<b>Generic Module Name</b>	Advanced Removable Prosthetics 511
<b>Alpha-numeric Code</b>	<b>PRO511</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	5
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Synthesize the behavioural and bio-psycho-social aspects of the treatment of a variety of patients from different backgrounds, as well as the patient who needs specialized care and prostheses.</li> <li>• Explain the oral health implications of aging.</li> <li>• Adapt the basic principles of prosthodontics to the specific circumstances of the elderly patient.</li> </ul>

	<ul style="list-style-type: none"> <li>Identify, examine and manage the patient who presents with complications as a result of his/ her partially/ completely edentulous state.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Principles and techniques in the use of diagnostic dentures</li> <li>Alternative treatment of the edentulous patient</li> <li>Selective impression techniques</li> <li>Recognition and solution of errors in the construction of a removable partial denture</li> <li>Assessment and diagnosis of temporomandibular joint disorders</li> <li>Root-retained over dentures</li> <li>Physical, social, biological, physiological, psychological aspects of the aging process</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	16	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	60	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	4		
<i>Selfstudy:</i>	20		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Prosthetic Dentistry
<b>Module Topic</b>	Prosthetic Techniques
<b>Generic Module Name</b>	Prosthetic Techniques 200
<b>Alpha-numeric Code</b>	<b>PRT200</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BDS (5101)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Describe all the procedures involved in the construction of Complete Removable Prostheses.</li> <li>Explain the anatomy of the denture bearing areas and arch form.</li> </ul>

	<ul style="list-style-type: none"> <li>Identify and classify jaw relationships.</li> <li>Demonstrate the technical skills to perform all the procedures involved in denture construction.</li> <li>Classify and compare articulators.</li> <li>Recognize and correct common errors / faults that can occur during lab construction and wear of dentures.</li> <li>Discuss the materials used in complete removable denture construction (incl. waxes; gypsum; acrylic; teeth).</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Pouring and construction of models</li> <li>Construction of special trays</li> <li>Boxing –in technique of final impressions</li> <li>Construction of trial bases and record blocks</li> <li>Articulation of models</li> <li>Setting – up of artificial teeth</li> <li>Final waxing of trial dentures;</li> <li>Flasking; Investing; Deflasking; Remounting and Finishing</li> <li>Repairs of dentures</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	25	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	50	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	5		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostics and Radiology
<b>Module Topic</b>	Radiography I
<b>Generic Module Name</b>	Radiography 123
<b>Alpha-numeric Code</b>	<b>RAD123</b>
<b>NQF Level</b>	5
<b>NQF Credit Value</b>	5
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second semester
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	1

<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Explain the production of ionizing radiation and how images are recorded.</li> <li>• Explain the major principles of radiation biology.</li> <li>• Institute measures of protection from ionizing radiation to one self, auxiliary, personnel as well as the patient.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Atoms, elements and molecules</li> <li>• Electromagnetic waves</li> <li>• The x-ray machine</li> <li>• The production of x-rays</li> <li>• Interaction processors of x-rays</li> <li>• Dosimetry radiation protection</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	30	<i>Lectures p.w.</i>	2
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	5	<i>Tutorials p.w.</i>	2
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostics and Radiology
<b>Module Topic</b>	Radiography II
<b>Generic Module Name</b>	Radiography 200
<b>Alpha-numeric Code</b>	<b>RAD200</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	2
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Trace the progress of radiographs from discovery to the present.</li> <li>• Describe the construction and composition of radiographic film.</li> <li>• Describe and apply the rationale for infection control.</li> </ul>

	<ul style="list-style-type: none"><li>• Identify relevant anatomical landmarks as seen on different radiographic views.</li><li>• Institute measures of protection from ionizing radiation to oneself, auxiliary personnel as well as the patient.</li><li>• Explain to the patient the radiographic views to be taken as well as the reason for taking them.</li><li>• Produce the appropriate radiographic views in any specific clinical situation.</li><li>• Handle and process and unexposed film to produce a radiograph of high diagnostic quality.</li><li>• Identify technique and processing errors and know the course and correction of these errors.</li><li>• Identify the radiographic appearance of caries.</li><li>• Identify and describe the radiographic appearance of periodontal disease.</li></ul>			
Main Content	<ul style="list-style-type: none"><li>• Origin of dental radiography</li><li>• The Radiographic film</li><li>• Intra-oral and extra- oral radiographic techniques</li><li>• Infection control in dental radiography</li><li>• Normal radiographic anatomy</li><li>• Film handling and processing</li><li>• Radiographic anatomy of the skull and jaws</li><li>• Technique and processing errors</li><li>• Diagnostic quality of radiographs</li><li>• Radiographic interpretation of caries and periodontal disease</li></ul>			
Pre-requisite modules	None			
Co-requisite modules	None			
Prohibited module Combination	None			
Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	70	Lectures p.w.	1	Assignments & tasks
Assignments & tasks:	5	Practicals p.w.	2	
Practicals:	60	Tutorials p.w.	0	
Assessments:	10			
Selfstudy:	5			
Other:	0			
Total Learning Time	150			
Methods of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
Assessment Module type	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostics and Radiology
<b>Module Topic</b>	Radiological Diagnosis for Oral Health
<b>Generic Module Name</b>	Radiological Diagnosis for Oral Health 301
<b>Alpha-numeric Code</b>	<b>RAD301</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	10

<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	BOH (5211)		
<b>Year level</b>	3		
<b>Main Outcomes</b>	On completion of this module, student should be able to: <ul style="list-style-type: none"> <li>• Recognize the radiological features of the various diseases affecting the teeth and jaws and refer appropriately.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• General principles of radiological interpretations</li> <li>• Radiological interpretations of dental anomalies</li> <li>• Regressive changes of the dentition</li> <li>• Infections and inflammations</li> <li>• Cysts of the jaws</li> <li>• Conditions of the maxillary sinuses</li> <li>• Benign tumours of the jaws</li> <li>• Malignant tumours of the jaws</li> <li>• Diseases of bone manifested in the jaws</li> <li>• Temporomandibular joint</li> <li>• Soft tissue calcification</li> <li>• Trauma to the teeth and facial structures</li> <li>• Syndromes affecting the jaws</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	30	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	30	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	20		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

  

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostics and Radiology
<b>Module Topic</b>	Diagnostics and Radiology
<b>Generic Module Name</b>	Diagnostics and Radiology 400
<b>Alpha-numeric Code</b>	<b>RAD400</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year

<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	4		
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Recognize the radiological features of the various disease processes affecting the teeth and jaws.</li> <li>• General principles of radiological interpretations.</li> </ul>		
<b>Main Content</b>	Radiological interpretations of: <ul style="list-style-type: none"> <li>• Dental anomalies</li> <li>• Regressive changes of the dentition</li> <li>• Infections and inflammations</li> <li>• Cysts of the jaws</li> <li>• Conditions of the maxillary sinuses</li> <li>• Benign tumours of the jaws</li> <li>• Malignant tumours of the jaws</li> <li>• Diseases of bone manifested in the jaws</li> <li>• Temporomandibular joint</li> <li>• Soft tissue calcification</li> <li>• Trauma to the teeth and facial structures</li> <li>• Syndromes affecting the jaws</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	30	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	30	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	15		
<i>Selfstudy:</i>	20		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>105</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Natural Sciences
<b>Home Department</b>	Department of Physics
<b>Module Topic</b>	Radiation Physics
<b>Generic Module Name</b>	Radiation Physics
<b>Alpha-numeric Code</b>	<b>RAP220</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	5
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second Semester

<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	2		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the interaction of radiation with matter.</li> <li>• Describe the instrumentation used to produce x-rays.</li> <li>• Discuss the factors affecting the quality of x-rays.</li> <li>• Discuss the factors affecting the quality of x-ray images.</li> <li>• Explain the biological effects and measurement of radiation.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Structure of matter: the atom, atomic energy levels, electromagnetic radiation, production of x-rays</li> <li>• The x-ray tube: the anode, cathode, transformers, voltage rectification, basic x-ray circuit</li> <li>• Physics of x-ray production: Bremsstrahlung, characteristic x-rays, x-ray energy spectrum, operating characteristics</li> <li>• Interaction of radiation with matter: ionisation, photoelectric effect, Compton scattering, pair production</li> <li>• Production of x-ray images: image formation and contrast</li> <li>• Factors affecting the quality of x-ray images: radiographic contrast, scattered radiation and contrast, radiographic receptors</li> <li>• Measurement of absorbed dose: absorbed dose, dose measurements</li> <li>• Radiation protection: patient exposure and protection, personnel exposure and protection</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	20	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	5	<i>Practicals p.w.</i>	0
<i>Tutorials:</i>	5	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	3		
<i>Selfstudy:</i>	17		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment		

  

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostics and Radiology
<b>Module Topic</b>	Radiographic Techniques I
<b>Generic Module Name</b>	Radiographic Techniques 200
<b>Alpha-numeric Code</b>	<b>RAT200</b>

<b>NQF Level</b>	6		
<b>NQF Credit Value</b>	5		
<b>Duration</b>	Semester		
<b>Proposed semester to be offered</b>	Second Semester		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	2		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Trace the progress of radiographs from discovery to the present.</li> <li>• Describe the construction and composition of radiographic film.</li> <li>• Describe and apply the rationale for infection control.</li> <li>• Identify and explain the appearance of the relevant anatomical landmarks as seen on different radiographic views.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Origin of Dental Radiography</li> <li>• The Radiographic Film</li> <li>• Intra-oral Radiographic Techniques</li> <li>• Infection Control in Dental Radiography</li> <li>• Normal Radiographic Anatomy</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer: / tutor:</i>	10	<i>Lectures p.w.</i>	5
<i>Assignments &amp; tasks:</i>	5	<i>Practicals p.w.</i>	5
<i>Practicals:</i>	25	<i>Tutorials p.w.</i>	12
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	5		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostics and Radiology
<b>Module Topic</b>	Radiographic Techniques I
<b>Generic Module Name</b>	Radiographic Techniques II
<b>Alpha-numeric Code</b>	<b>RAT300</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	5
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both

<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	3		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain to the patient the radiographic views to be done as well as the reason for taking them.</li> <li>• Produce the appropriate radiographic views in any specific clinical situation.</li> <li>• Handle and process an unexposed film to produce a radiograph of high diagnostic quality.</li> <li>• Identify technique and processing errors and know the cause and correction of these errors.</li> <li>• Describe the radiographic interpretation of caries.</li> <li>• Describe the clinical and radiographic appearance of periodontal disease.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Film Handling and Processing</li> <li>• Radiographic Anatomy of the skull and jaws</li> <li>• Film handling and intra-oral processing errors</li> <li>• Intra- oral and extra-oral Radiographic Techniques</li> <li>• Diagnostic Quality of Radiographs</li> <li>• Radiographic interpretation of caries and periodontal disease</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer: / tutor:</i>	10	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	5	<i>Practicals p.w.</i>	2
<i>Practicals:</i>	25	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	5		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>50</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Clinical Oral Health III
<b>Generic Module Name</b>	Clinical Oral Health 313
<b>Alpha-numeric Code</b>	<b>SCP313</b>
<b>NQF Level</b>	7
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered.</b>	Both Semesters

<b>Programmes in which the module will be offered.</b>	BOH (5211)		
<b>Year Level</b>	3		
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>Retrieve, apply and evaluate current rules, legislation, protocols and guidelines pertaining to the scope of the oral hygiene practice.</li> <li>Provide patient care in primary health care facilities, tertiary hospitals, specialist dental practices and the general dental practice.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>The observation, performance (as appropriate) evaluation and critique of quality patient care in various dental environments:</li> <li>Policies, legislation, rules and guidelines governing the code of and scope of practice of the oral hygienist and the dental environment</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Time-table Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	25	<i>Lectures p.w.</i>	2
<i>Assignments &amp; tasks:</i>	35	<i>Practicals p.w.</i>	0
<i>Assessment:</i>	5	<i>Tutorials p.w.</i>	0
<i>Practicals:</i>	0		
<i>Selfstudy</i>	5		
<i>Other: Service learning in practice environments</i>	30		
<b>Total Learning Time</b>	100		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Hygiene
<b>Module Topic</b>	Special care for oral health
<b>Generic Module Name</b>	Special care for oral health 210
<b>Alpha-numeric Code</b>	<b>SPC210</b>
<b>NQF Level</b>	6
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	BOH (5211)
<b>Year level</b>	2

<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Apply basic counselling skills for patients, caregivers or parents of patients with special oral needs.</li> <li>• Identify and explain special needs for different groups of patients/population groups.</li> <li>• Establish the factors that affect/influence the health and oral health of patients or groups with special needs.</li> <li>• Manage the special needs patient and groups in the oral health clinic/community.</li> <li>• Explain the legal rights of special care groups and report human rights abuses.</li> <li>• Consult and refer special needs patients and groups with special needs to other health professionals.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Counseling skills</li> <li>• Women's health and oral health</li> <li>• Geriatric care</li> <li>• Management of adults and children with special needs:               <ul style="list-style-type: none"> <li>• Cancer</li> <li>• Diabetes mellitus</li> <li>• Communicable diseases</li> <li>• Blood disorders</li> <li>• Cardiovascular diseases</li> <li>• Chronic seizure disorders</li> <li>• Renal disease</li> <li>• Alcohol dependent/Substance abuse</li> <li>• Family abuse and neglect</li> <li>• Cleft lip and palate</li> <li>• Neurodevelopmental disorders</li> <li>• Physically compromised</li> <li>• Psychologically compromised</li> <li>• Personality disorders</li> <li>• Sensory impairment</li> <li>• Respiratory diseases</li> </ul> </li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	120	<i>Lectures p.w.</i>	3	Assignments & tasks Service learning
<i>Assignments &amp; tasks:</i>	30	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	10	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	15			
<i>Selfstudy:</i>	25			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>200</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

Faculty	Dentistry		
Home Department	Oral Hygiene		
Module Topic	Social Science for Oral Health		
Generic Module Name	Social Science for Oral Health 112		
Alpha-numeric Code	SSD112		
NQF Level	5		
NQF Credit Value	15		
Duration	Semester		
Proposed semester to be offered.	First Semester		
Programmes in which the module will be offered.	BOH (5211)		
Year Level	1		
Main Outcomes	On completion of this module, students should be able to: <ul style="list-style-type: none"><li>• Demonstrate knowledge of and apply psychological principles relevant to the practice of the hygienist.</li><li>• Demonstrate knowledge of socio-cultural factors relevant to the practice of the hygienist taking into account the diversity South African context.</li><li>• Demonstrate knowledge of and apply communication principles relevant to the practice of the oral health professional</li><li>• Demonstrate knowledge of and apply effective communication with the general public on a community and individual level.</li></ul>		
Main Content	Theory of: <ul style="list-style-type: none"><li>• Communication</li><li>• Basic Psychology</li><li>• Sociology</li><li>• Theories of communication through the life stages to individuals and groups in the various work related environments</li></ul>		
Pre-requisite modules	None		
Co-requisite modules	None		
Prohibited module Combination	None		
Breakdown of Learning Time	Hours	Time-table Requirement per week	Other teaching modes that does not require time-table
Contact with lecturer / tutor:	80	Lectures p.w.	7
Assignments & tasks:	25	Practicals p.w.	0
Assessment:	10	Tutorials p.w.	1
Practicals:	5		
Selfstudy	30		
Other:	0		
Total Learning Time	150		
Methods of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
Assessment Module type	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Community Oral Health		
<b>Module Topic</b>	Social Science and Dentistry		
<b>Generic Module Name</b>	Social Science and Dentistry 320		
<b>Alpha-numeric Code</b>	<b>SSD320</b>		
<b>NQF Level</b>	7		
<b>NQF Credit Value</b>	10		
<b>Duration</b>	Semester		
<b>Proposed semester to be offered</b>	Second Semester		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	3		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Identify special care groups in the community.</li> <li>• Identify factors which put these groups at risk for poor general and oral health.</li> <li>• Recognise the problems and concerns experienced by these groups.</li> <li>• Adapt clinical practice in ways that are appropriate to the problems specific to these groups.</li> <li>• Manage the special needs of these groups.</li> <li>• Explain the legal rights of special care groups and report human rights abuses.</li> <li>• Recognise determinants of health and ill-health</li> </ul>		
<b>Main Content</b>	<p>This module covers topics broadly related to special needs groups and explores the issues which affect them:</p> <ul style="list-style-type: none"> <li>• Women's health and gender issues</li> <li>• Children's rights, child abuse and child behaviour in the dental setting</li> <li>• Geriatric health, access to health care facilities</li> <li>• Medically compromised patients</li> <li>• Physically and mentally challenged patients</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	30	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	15		
<i>Selfstudy:</i>	15		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		

<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		
<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Xhosa Department		
<b>Module Topic</b>	Introduction to Xhosa		
<b>Generic Module Name</b>	Introduction to Xhosa 003 (BOH)		
<b>Alpha-numeric Code</b>	<b>XHO003</b>		
<b>NQF Level</b>	5		
<b>NQF Credit Value</b>	10		
<b>Duration</b>	Semester		
<b>Proposed semester to be offered</b>	First Semester		
<b>Programmes in which the module will be offered</b>	BOH (5211)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the position of Xhosa relevant to the other languages in South Africa and in the immediate professional environment.</li> <li>• Read, write, and understand basic Xhosa appropriate to the dental clinical content.</li> <li>• Use Xhosa for basic communication with patient, including the use of appropriate vocabulary and correct grammar.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Greeting and asking after well being</li> <li>• Getting acquainted and exchanging pleasantries</li> <li>• Establishing a professional relationship</li> <li>• Questions and responses</li> <li>• Requests, suggestions, and explanations with particular emphasis on appropriate structures within the dental care context</li> <li>• Taking leave</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	42	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	12	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	4		
<i>Selfstudy:</i>	42		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Faculty of Dentistry		
<b>Home Department</b>	Xhosa		
<b>Module Topic</b>	Introduction to Xhosa		
<b>Generic Module Name</b>	Introduction to Xhosa 120 (Dentistry)		
<b>Alpha-numeric Code</b>	<b>XHO120</b>		
<b>NQF Level</b>	5		
<b>NQF Credit Value</b>	10		
<b>Duration</b>	Semester		
<b>Proposed semester to be offered</b>	Second Semester		
<b>Programmes in which the module will be offered</b>	BDS (5101)		
<b>Year level</b>	1		
<b>Main outcomes:</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the position of Xhosa relevant to the other languages in South Africa and in the immediate professional environment.</li> <li>• Read, write, and understand basic Xhosa appropriate to the dental clinical content.</li> <li>• Use Xhosa for basic communication with patient, including the use of appropriate vocabulary and correct grammar</li> </ul>		
<b>Main content:</b>	<ul style="list-style-type: none"> <li>• Greeting and asking after well being</li> <li>• Getting acquainted and exchanging pleasantries</li> <li>• Establishing a professional relationship</li> <li>• Questions and responses</li> <li>• Requests, suggestions, and explanations with particular emphasis on appropriate structures within the dental care context</li> <li>• Taking leave</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	42	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	12	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>			
<i>Selfstudy:</i>	42		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>96</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

## **POSTGRADUATE MODULE DESCRIPTORS**

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Conservative Dentistry
<b>Module Topic</b>	Aesthetic Dentistry
<b>Generic Module Name</b>	PDD Aesthetic Dentistry 611 Module 1
<b>Alpha-numeric Code</b>	<b>ANS611</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Aesthetic Dentistry) (5309)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Utilize information technology to access appropriate literature on aesthetic dentistry.</li> <li>• Evaluate the literature pertaining to aesthetic dentistry and report on its relevance to a specific assignment topic.</li> <li>• Explain the ethical concerns associated with aesthetic dentistry in clinical practice.</li> <li>• Select and apply the appropriate diagnostic tools to aid in compiling a diagnosis and treatment plan for a patient seeking aesthetic dental treatment.</li> <li>• Develop and present a comprehensive treatment plan for aesthetic restorative procedures.</li> <li>• Present acceptable alternatives when the ideal treatment plan cannot be performed.</li> <li>• Explain the concepts and equipment used in modern dental photography.</li> <li>• Use the appropriate colour analysis system to successfully communicate colour choice to the laboratory technician.</li> <li>• Select from a choice of material systems available in clinical practice to achieve an aesthetic result.</li> <li>• Use the principles of material science to choose the most appropriate material for successful aesthetic dental treatment.</li> </ul> <p>Recognize unaesthetic characteristics of the teeth, gingiva, lips and face and appropriately refer where appropriate for specialized orthodontic and periodontic intervention to achieve aesthetic harmony.</p>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Information and academic literacy</li> <li>• Ethics relating to aesthetic dentistry</li> <li>• Diagnosis and treatment planning</li> <li>• Clinical photography</li> <li>• Tooth colour analysis</li> <li>• Direct aesthetic restorations</li> <li>• Material science</li> </ul>

	<ul style="list-style-type: none"> <li>• Orthodontics and aesthetics (pre-treatment orthodontics prior to aesthetic dental treatment)</li> <li>• Periodontics and aesthetics (periodontal pre-treatment prior to aesthetic dental treatment)</li> <li>• Indirect aesthetic restorations Aesthetic posts and cores</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	80	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	260	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	260		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative Dentistry
<b>Module Topic</b>	Aesthetic Dentistry Module 2
<b>Generic Module Name</b>	PDD Aesthetic Dentistry Module 612
<b>Alpha-numeric Code</b>	<b>ANS612</b>
<b>NQF Level</b>	<b>8</b>
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Aesthetic Dentistry) (5309)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Search, critically analyse and report on the relevant literature relating to his or her final clinical case report and presentation.</li> <li>• Discuss the integrated management of his or her clinical case.</li> <li>• Identify features that contribute to the aesthetic appeal of removable prostheses.</li> <li>• Appropriately assess the suitability of a patient for tooth whitening and plan and provide the correct tooth whitening procedures for the patient's needs.</li> <li>• Recognize the fundamental principles and safe practices with regard to botox.</li> </ul>

<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Clinical case report and presentation</li> <li>• Aesthetics and removable prostheses</li> <li>• Advanced aesthetic procedures such as tooth whitening and botox</li> </ul>		
<b>Pre-requisite modules</b>	PDD Aesthetic Dentistry (Module 1)		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	80	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	540	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>620</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Conservative Dentistry
<b>Module Topic</b>	Endodontics
<b>Generic Module Name</b>	PDD Endodontics 611: Module 1
<b>Alpha-numeric Code</b>	<b>END611</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD Endodontics (5309)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature, pertaining to the field of endodontics.</li> <li>• Utilize information technology to access appropriate information on endodontics.</li> <li>• Examine, diagnose and compose ideal and alternative treatment plans for endodontically compromised patients.</li> <li>• Provide special knowledge and clinical skills and experience for endodontically compromised patients.</li> <li>• Recognize complications and anticipate difficult treatment regimens.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Morphology of root canals and pulp chambers</li> <li>• Microbiology and pathology of endodontic lesions</li> <li>• Diagnosis of endodontic problems</li> </ul>

	<ul style="list-style-type: none"> <li>Dental trauma including fractures, luxation and avulsion</li> <li>Periapical radiography</li> <li>Internal and external resorption</li> <li>Preparation of access openings</li> <li>Length determination</li> <li>Irrigation and isolation</li> <li>Instrumentation using manual and rotary instruments</li> <li>Medicaments</li> <li>Obturation</li> <li>Retreatment</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	80	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	120	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	200		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Conservative Dentistry
<b>Module Topic</b>	Endodontics 2
<b>Generic Module Name</b>	PDD Endodontics 612: Module 2
<b>Alpha-numeric Code</b>	<b>END612</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD Endodontics (5309)
<b>Year level</b>	2
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>Search for, critically analyze and report on scientific literature in his or her final scientific report.</li> </ul>
<b>Main Content</b>	Scientific report <ul style="list-style-type: none"> <li>The completion and submission of a scientific report in the format of a literature review of about thirty pages with or without clinical case reports.</li> </ul>
<b>Pre-requisite modules</b>	PDD Endodontics Module 1
<b>Co-requisite modules</b>	None

<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	500	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Pathology and Forensic Sciences
<b>Module Topic</b>	Forensic Dentistry
<b>Generic Module Name</b>	PDD (Forensic Dentistry) 611: Module 1
<b>Alpha-numeric Code</b>	<b>FOD611</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Forensic Dentistry) (5309)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain pathological changes that occur in the mouth and jaws for identification purposes.</li> <li>• Describe the legal system and the role of the forensic dentist therein.</li> <li>• Gather, preserve and prepare evidence for court presentation.</li> <li>• Liaise with colleagues in forensic medicine, the police services, the justice department and other forensic disciplines in South Africa and internationally.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Basic medical sciences including anatomy, embryology, physical anthropology, comparative anatomy and dental histology.</li> <li>• Forensic medicine, autopsy techniques, body fluid analysis, exhumation, mass disaster identification and bite marks.</li> <li>• Dental materials, prosthetic dentistry, comparative dental practice and charting methods.</li> <li>• Basic Oral Pathology</li> </ul>

	<ul style="list-style-type: none"> <li>Legal aspects pertaining to forensic dentistry and the justice system; crime scene investigation, duties of the State Pathologist and mass disaster investigation.</li> <li>Data capture and retrieval using computer programmes, child abuse and rape victim examination, forensic photography and forensic entomology.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	200	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	60	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	100		
<i>Other:</i>	40		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Pathology and Forensic Sciences
<b>Module Topic</b>	Forensic Dentistry
<b>Generic Module Name</b>	PDD (Forensic Dentistry) 612: Module 2
<b>Alpha-numeric Code</b>	<b>FOD612</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Forensic Dentistry) (5309)
<b>Year level</b>	2
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>Search for, critically analyze and report on scientific literature in his or her final scientific report.</li> </ul>
<b>Main Content</b>	Scientific report <ul style="list-style-type: none"> <li>The completion and submission of a scientific report in the format of a literature review of about thirty pages with or without clinical case reports.</li> </ul>
<b>Pre-requisite modules</b>	PDD (Forensic Dentistry) Module 1
<b>Co-requisite modules</b>	None
<b>Prohibited module Combinations</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	100	Lectures p.w.	0	
Assignments & tasks:	500	Practicals p.w.	0	
Practicals:	0	Tutorials p.w.	0	
Assessments:	0			
Selfstudy:	0			
Other:	0			
<b>Total Learning Time</b>	<b>600</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Prosthodontics
<b>Module Topic</b>	Implantology
<b>Generic Module Name</b>	PDD (Implantology) 611: Module 1
<b>Alpha-numeric Code</b>	<b>IMP611</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Implantology) (5313)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Identify and select patients suitable for dental implant treatment.</li> <li>Diagnose and provide a comprehensive treatment plan for implant cases.</li> <li>Promote implants as an option and advise prospective implant patients.</li> <li>Understand the fundamental principles, theory and safe practice of implant dentistry.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Introduction to Dental Implantology:</li> <li>Purposes that dental implants can serve in oral reconstruction</li> <li>Major types of dental implants</li> <li>Classification of implant systems as to their implant type</li> <li>Major advantages and disadvantages of the different types of dental implants</li> <li>Implant economics.</li> <li>Clinical and Histological Outcomes in Dental Implantology</li> <li>Components of the junctional epithelium complex to the natural tooth and corresponding components of the JE to dental implants</li> <li>Morphology of the gingival connective tissue adaptation to dental implants</li> </ul>

	<ul style="list-style-type: none"> <li>• Definition of the term osseointegration</li> <li>• Structural morphology of what is commonly considered osseointegration</li> <li>• Wound healing after implant placement including soft tissue healing</li> <li>• Reported success rates for major implant systems.</li> <li>• Implant Biomaterials and Surface Characteristics</li> <li>• Principal biomaterials used to fabricate dental implants</li> <li>• Ideal properties of a biomaterial for dental implants</li> <li>• Characteristics of titanium which contribute to its successful use in dental implants</li> <li>• Rationale for use of hydroxylapatite coatings on dental implants</li> <li>• Surface characteristics that influence healing following dental implant placement.</li> <li>• Radiographic Imaging in Dental Implantology:</li> <li>• Goals of imaging for dental implants</li> <li>• Various imaging modalities currently recommended for pre-surgical and post-surgical implant site assessment</li> <li>• Advantages and disadvantages of the following imaging modalities when used for implant site assessment:</li> <li>• Intra-oral radiography</li> <li>• Extra-oral plain film radiography</li> <li>• Plain film tomography</li> <li>• Computed tomography (CT)</li> <li>• Magnetic resonance imaging (MRI)</li> <li>• Direct digital radiography</li> <li>• Recognition and interpretation of the basic images commonly acquired for implant site assessment</li> <li>• Radiographic stents</li> <li>• Risks and benefits of each of the different imaging modalities in relation to radiation exposure to the patient.</li> <li>• Patient Selection: Prosthodontic Considerations: Part 1</li> <li>• Medical and dental conditions which place limitations upon the prosthodontic aspects of the treatment plan for an implant patient</li> <li>• Sequelae of tooth loss and arch collapse and how these might affect the prosthodontic treatment plan for an implant patient</li> <li>• Elements of a patient's past prosthodontic history which might be important in developing a treatment plan for an implant patient</li> <li>• Planning the ideal location and orientation of endosteal implants in bone</li> <li>• Diagnostic casts, wax-up, height space considerations and surgical stents</li> <li>• Inter-ridge relationship and its influence on the selection and design of the implant prosthesis</li> <li>• Indications for dental implant treatment in the partially edentulous patient</li> <li>• Indications for dental implant treatment in the fully edentulous patient.</li> </ul>
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	<ul style="list-style-type: none"> <li>• Patient Selection: Surgical Considerations: Part 1</li> <li>• Medical contraindications to dental implant treatment</li> <li>• Dental and oral contraindications to dental implant treatment</li> <li>• Applied anatomy of the dento-facial complex</li> <li>• Relationship between bone quality (density) and implant success</li> <li>• Minimum volume of bone in bucco-lingual and apico-coronal dimensions required for the placement of endosteal dental implants and assessment</li> <li>• Basic surgical considerations and techniques for placement of endosseous implants</li> <li>• Temperature range in which bone drilling for endosteal implants must proceed.</li> <li>• Surgical Placement of the Dental Implant: Part 1.</li> <li>• Surgical aspects of treatment planning for dental implants</li> <li>• Criteria for implant success and failure</li> <li>• Success rates for implant treatment and the factors involved in these variations</li> <li>• Ridge preservation.</li> <li>• Dental Implant Prosthodontic Laboratory: Part 1</li> <li>• Different surgical and prosthodontic components involved in the surgical placement and prosthodontic rehabilitation when using dental implants.</li> <li>• Recommended Occlusal Relationships for Implant-Supported Crowns and Prostheses:</li> <li>• Recommended occlusal relationships for single unit crowns supported by a dental implant</li> <li>• Recommended occlusal relationships for a fixed partial denture supported by two or more dental implants</li> <li>• Recommended occlusal relationships for a fixed partial denture supported by a combination of natural teeth and dental implant</li> <li>• Recommended occlusal relationships for a removable, maxillary or mandibular complete denture supported by dental implants and opposing either natural teeth or a removable prosthesis.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	400	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	40	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		

<i>Selfstudy:</i>	120			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>600</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Prosthodontics
<b>Module Topic</b>	Implantology
<b>Generic Module Name</b>	PDD (Implantology) 612: Module 2
<b>Alpha-numeric Code</b>	<b>IMP612</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Implantology) (5313)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Identify and select patients requiring bone augmentation.</li> <li>Assess and maintain dental implant after integration.</li> <li>Assess and manage failed dental implant/s.</li> <li>Assess and manage failed dental implant restoration/s.</li> <li>Refer complicated implant cases to specialists.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Methods of Dental Implant Site Preparation</li> <li>Procedures available which may enable the placement of dental implants into sites which present with an inadequate volume of bone including soft tissue contouring and papilla preservation</li> <li>Bone filler materials</li> <li>Sequencing and time frame associated with surgical bone augmentation of a dental implant site, dental implant fixture placement and prosthodontic rehabilitation</li> <li>Relative success rate of surgical bone augmentation procedures for dental implants</li> <li>Post-treatment complications associated with surgical bone augmentation procedures</li> <li>Alternative treatment options to dental implant placement in sites which require surgical bony augmentation procedures prior to implant placement.</li> <li>Patient Selection: Prosthodontic Considerations: Part 2</li> <li>Prosthodontic implication of the following endosteal implant location problems: <ul style="list-style-type: none"> <li>Implants too close together</li> <li>Implants too close to maxillary midline</li> <li>Implants too far facial or lingual</li> <li>Implants too close to the mental foramen</li> <li>Implants too close to the inferior alveolar nerve.</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Criteria for restorative implant components (success and failure)</li> <li>• List of implant prostheses which can satisfy specific esthetic requirements.</li> <li>• Patient Selection: Surgical Considerations; Part 2</li> <li>• Surgical procedures available to increase the amount of bone available for dental implant placement.</li> <li>• Potential problems or undesirable outcomes of implant placement</li> <li>• Soft tissue management and other techniques for esthetic results.</li> <li>• Surgical Placement of the Dental Implant: Part 2</li> <li>• Delayed vs immediate placement of implants</li> <li>• Pharmacology</li> <li>• Flap designs</li> <li>• Platform switching.</li> <li>• Peri-Implant Maintenance/Managing the Failing Implant</li> <li>• Clinical findings which can be used to evaluate the health of the implant supporting tissues</li> <li>• Quantitative and qualitative clinical evaluation parameters to chart implant serviceability</li> <li>• Technique and interpretation of periodontal probing measurements which differ between the natural tooth and the dental implant</li> <li>• Current knowledge of the bacteriology of peri-implant plaque</li> <li>• Model for the pathogenesis of peri-implant disease</li> <li>• Etiologic factors associated with the failure of dental implants</li> <li>• Current techniques available and suitable for plaque regulation in patients with dental implants</li> <li>• Maintenance program for patients with dental implants in terms of <ul style="list-style-type: none"> <li>• Recall intervals</li> <li>• Clinical evaluation of peri-implant tissue</li> <li>• Instruction in plaque removal techniques</li> <li>• Methods of removing plaque and calculus</li> <li>• Deposits from implant surfaces.</li> </ul> </li> <li>• Dental Implant Prosthodontics</li> <li>• Characteristics of the prosthodontic components of a two-stage dental implant system</li> <li>• Prosthodontic indications appropriate for a two-stage dental implant system</li> <li>• Considerations for use of a one-stage system and the different prosthodontic components and procedures</li> <li>• Joining teeth and implants</li> <li>• Screwed vs cemented: indications and complications</li> <li>• Implant abutment selection and impression techniques</li> <li>• Passive fit</li> <li>• Immediate loading</li> <li>• Management of failed restorative implant components.</li> </ul>
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<b>Pre-requisite modules</b>	IMP611		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	400	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	40	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	120		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics
<b>Module Topic</b>	Interceptive Orthodontics
<b>Generic Module Name</b>	PDD(Interceptive Orthodontics) 611: Module 1
<b>Alpha-numeric Code</b>	<b>INO611</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Interceptive Orthodontics) (5309)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Assess a patient's stage of growth and development with a view to assessing the viability of Interceptive Orthodontics.</li> <li>• Utilise all the available methods of intra and extra oral investigation, pertinent to orthodontics.</li> <li>• Critically examine and diagnose a patient in order to assess the patient's suitability for interceptive orthodontic procedures.</li> <li>• Debate the case for and against interceptive orthodontic treatment for individual cases.</li> <li>• Evaluate the various treatment options available pertaining to each individual case.</li> <li>• Formulate a treatment plan.</li> <li>• Defend the logic of any treatment decision taken.</li> <li>• Prescribe what appliances are needed for the treatment of each case and the sequence in which they must be used.</li> </ul>

<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Development of the human dentition</li> <li>• Craniofacial growth</li> <li>• Orthodontic examination</li> <li>• Radiology analysis</li> <li>• Diagnosis</li> <li>• Treatment planning</li> <li>• Treatment options</li> <li>• Retention</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	64	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	536	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics
<b>Module Topic</b>	Interceptive Orthodontics
<b>Generic Module Name</b>	PDD (Interceptive Orthodontics) 612 Module 2
<b>Alpha-numeric Code</b>	<b>INO612</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Interceptive Orthodontics) (5309)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Investigate, diagnose and successfully treat a case, or resolve a problem on a postgraduate, but not specialist, level.</li> <li>• Communicate effectively with patients and peers, in a team context and play a meaningful role as a member of society.</li> <li>• Demonstrate successful treatment by using an acceptable treatment modality and correctly prioritising the sequence of mechanics.</li> </ul>

	<ul style="list-style-type: none"> <li>• Write a scientific report in an internationally accepted format.</li> <li>• Demonstrate a critical understanding of the literature pertaining to the field of interceptive Orthodontics.</li> <li>• Defend any decision taken to proceed with early treatment.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Write up and present 4 cases that he or she is treating in practice.</li> <li>• Should the student's employment be such that he or she does not actively see patients the student may submit a research paper. The research paper must be on a topic that is negotiated with the student's supervisor. This may be in the form of a literature review or a mini research project.</li> </ul>		
<b>Pre-requisite modules</b>	INO611		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	540	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostics and Radiology
<b>Module Topic</b>	Maxillofacial Radiology
<b>Generic Module Name</b>	PDD (Maxillofacial Radiology) 611: Module 1
<b>Alpha-numeric Code</b>	<b>MFR611</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Maxillofacial Radiology) (5309)
<b>Year level</b>	1
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Perform all the relevant intra- and extra-oral radiographic procedures as applied in maxillofacial radiology.</li> </ul>

	<ul style="list-style-type: none"> <li>• Discuss and apply advanced imaging such as Magnetic Resonance Imaging modalities (MRI) and Computer Tomography (CT) in the maxillofacial region.</li> <li>• Write a responsible radiological report of any maxillofacial radiographs referred to him or her.</li> <li>• To make a provisional diagnosis of any suspected lesion of the maxillofacial region inclusive of an acceptable differential diagnosis.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Principles of Image Interpretation</li> <li>• Signs in Maxillofacial Images</li> <li>• Developmental Dental Abnormalities</li> <li>• Developmental Anomalies of the Skull and Jaws</li> <li>• Traumatic Injuries</li> <li>• Infections of the Teeth and Jaws</li> <li>• Cysts of the Jaws</li> <li>• Benign Tumors of the Jaws</li> <li>• Malignant Tumours of the Jaws</li> <li>• Fibro-osseous Lesions</li> <li>• Metabolic and Systemic Diseases</li> <li>• Radiology of the Temporo-mandibular joint</li> <li>• Diseases of the Paranasal Sinuses</li> <li>• Salivary Gland Disorders</li> <li>• Intra-oral and extra-oral radiographic techniques</li> <li>• Advanced imaging modalities</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	80	<i>Lectures p.w.</i>	12
<i>Assignments &amp; tasks:</i>	150	<i>Practicals p.w.</i>	6
<i>Practicals:</i>	120	<i>Tutorials p.w.</i>	2
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	150		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>500</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial Radiology
<b>Module Topic</b>	Maxillofacial Radiology
<b>Generic Module Name</b>	PDD (Maxillofacial Radiology) 612: Module 2
<b>Alpha-numeric Code</b>	<b>MFR612</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year

<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	PDD (Maxillofacial Radiology) (5309)		
<b>Year level</b>	2		
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Search, critically analyze and report scientific literature in his or her final scientific report.</li> </ul>		
<b>Main Content</b>	<b>Scientific report</b> <ul style="list-style-type: none"> <li>• The completion and submission of a scientific report in the format of a literature review with reference to a selected maxillofacial radiology study.</li> </ul>		
<b>Pre-requisite modules</b>	MFR611		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	340	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>400</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Minor Oral Surgery
<b>Generic Module Name</b>	PDD (Minor Oral Surgery) 611: Module 1
<b>Alpha-numeric Code</b>	<b>ORS611</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Minor Oral Surgery) (5309)
<b>Year level</b>	1
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Critically discuss the literature, pertaining to the field of Oral Surgery.</li> <li>• Utilize information technology to access appropriate information on Oral Surgery.</li> <li>• Examine, diagnose and manage a basic oral surgical patient.</li> </ul>

	<ul style="list-style-type: none"> <li>• Diagnose basic and advanced maxillofacial conditions, provide emergency treatment and effectively refer for further management.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Applied surgical anatomy</li> <li>• Examination of the surgical patient</li> <li>• Local anaesthesia and applied pharmacology</li> <li>• Medical Emergencies</li> <li>• Sterilisation and disinfection</li> <li>• Oral surgery armamentarium</li> <li>• Exodontia and related complications</li> <li>• Bleeding tendencies</li> <li>• Sinus related conditions</li> <li>• Apicectomy</li> <li>• Impactions</li> <li>• Implantology</li> <li>• Soft tissue infections and osteomyelitis</li> <li>• Pre-prosthetic surgery</li> <li>• Traumatology</li> <li>• Surgical pathology</li> <li>• TMJ and facial pain</li> <li>• Introduction to advanced Maxillofacial surgery.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	80	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	120	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	200		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Minor Oral Surgery
<b>Generic Module Name</b>	PDD (Minor Oral Surgery) 612: Module 612
<b>Alpha-numeric Code</b>	<b>ORS612</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters

<b>Programmes in which the module will be offered</b>	PDD (Minor Oral Surgery) (5309)		
<b>Year level</b>	2		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature, pertaining to the field of Oral Surgery.</li> <li>• Utilize information technology to access appropriate information on Oral Surgery.</li> <li>• Examine, diagnose and manage an oral surgical patient.</li> <li>• Diagnose basic and advanced maxillofacial conditions, provide emergency treatment and effectively refer for further management.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Applied surgical anatomy</li> <li>• Examination of the surgical patient</li> <li>• Local anaesthesia and applied pharmacology</li> <li>• Medical Emergencies</li> <li>• Sterilisation and disinfection</li> <li>• Oral surgery armamentarium</li> <li>• Exodontia and related complications</li> <li>• Bleeding tendencies</li> <li>• Sinus related conditions</li> <li>• Apicectomy</li> <li>• Impactions</li> <li>• Implantology</li> <li>• Soft tissue infections and osteomyelitis</li> <li>• Pre-prosthetic surgery</li> <li>• Traumatology</li> <li>• Surgical pathology</li> <li>• TMJ and facial pain</li> <li>• Introduction to advanced Maxillofacial surgery.</li> </ul>		
<b>Pre-requisite modules</b>	ORS611		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combinations</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	80	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	120	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	200		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Anaesthesia and Sedation		
<b>Module Topic</b>	Sedation and Pain Control		
<b>Generic Module Name</b>	PDD (Sedation and Pain Control) 611: Module 1		
<b>Alpha-numeric Code</b>	<b>PAS611</b>		
<b>NQF Level</b>	8		
<b>NQF Credit Value</b>	60		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	PDD (Sedation and Pain Control), (5331)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Demonstrate independent study and information recall.</li> <li>• Critically discuss the literature, in excess of that expected from a graduate dentist/ medical practitioner, pertaining to the field sedation and pain control.</li> <li>• Utilize information technology to access appropriate information on sedation and pain control.</li> <li>• Demonstrate a high-standing knowledge of investigative, diagnostic and clinical methods in order to evaluate and treat a patient critically in the field of sedation and pain control.</li> <li>• Demonstrate competence in skills necessary for the performance of clinical investigative, diagnostic and organizational procedures a postgraduate level.</li> <li>• Apply deepened knowledge of relevant basic subjects in those disciplines relevant to the field of sedation and pain control.</li> <li>• Communicate effectively with patients and with other health professionals, and consequently to play a meaningful role as a member of society.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Review of relevant basic sciences</li> <li>• Patient assessment</li> <li>• Behaviour management</li> <li>• Local/ regional anaesthesia</li> <li>• Medicolegal / ethical implications of sedation</li> <li>• Basic and applied pharmacology</li> <li>• Sedation and Pain Control techniques</li> <li>• Sedation policy</li> <li>• Medical emergencies and management</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer: / tutor:</i>	160	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	80	<i>Practicals p.w.</i>	0

<i>Practicals:</i>	120	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	40			
<i>Selfstudy:</i>	200			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>600</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

Faculty	Dentistry		
Home Department	Anaesthesiology and Sedation		
Module Topic	Sedation and Pain Control		
Generic Module Name	PDD (Sedation and Pain Control) 612: Module 2		
Alpha-numeric Code	PAS612		
NQF Level	8		
NQF Credit Value	60		
Duration	Year		
Proposed semester to be offered	Both Semesters		
Programmes in which the module will be offered	PDD (Paediatric Dentistry) (5309)		
Year level	2		
Main Outcomes	On completion of this module, students should be able to: <ul style="list-style-type: none"><li>Search, critically analyze and report scientific literature in his or her final scientific report.</li></ul>		
Main Content	Scientific report <ul style="list-style-type: none"><li>The completion and submission of a scientific report in the format of a literature review of about thirty pages with or without clinical case reports.</li></ul>		
Pre-requisite modules	PAS611		
Co-requisite modules	None		
Prohibited module Combination	None		
Breakdown of Learning Time	Hours	Timetable Requirement per week	Other teaching modes that does not require time-table
Contact with lecturer / tutor:	60	Lectures p.w.	0
Assignments & tasks:	0	Practicals p.w.	0
Practicals:	540	Tutorials p.w.	0
Assessments:	0		
Selfstudy:	0		
Other:	0		
Total Learning Time	600		
Methods of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
Assessment Module type	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Orthodontics and Paediatric Dentistry		
<b>Module Topic</b>	Paediatric Dentistry		
<b>Generic Module Name</b>	PDD (Paediatric Dentistry) 611: Module 1		
<b>Alpha-numeric Code</b>	<b>PED611</b>		
<b>NQF Level</b>	8		
<b>NQF Credit Value</b>	60		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	PDD (Paediatric Dentistry) (5309)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Plan an appropriate preventive strategy to meet the oral and dental needs of the individual paediatric patient.</li> <li>Explain the role of appropriate behaviour management and pharmacotherapeutic techniques in the management of the paediatric patient.</li> <li>Apply clinically relevant information after critical analysis of recent evidence-based literature with regards to dental caries, choice of dental restorative materials and latest clinical techniques.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Role of prevention and current best practice.</li> <li>Behaviour management techniques and pain control.</li> <li>Pharmacotherapeutic behaviour management methods.</li> <li>(Inhalation sedation, intravenous sedation and general anaesthesia).</li> <li>Advanced restorative dentistry for the child patient.</li> <li>Review and critique of current evidence-based literature</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	415	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	125		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics and Paediatric Dentistry
<b>Module Topic</b>	Advanced Paediatric Dentistry
<b>Generic Module Name</b>	PDD (Paediatric Dentistry) 612: Module 2
<b>Alpha-numeric Code</b>	<b>PED612</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Paediatric Dentistry) (5309)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Manage the common bacterial, viral and fungal infections involving the oral cavity in the paediatric patient.</li> <li>• Manage pulpally involved teeth in the primary and permanent dentitions appropriately and effectively based on their pulp status.</li> <li>• Assess traumatized primary and permanent teeth and manage effectively.</li> <li>• Conduct an orthodontic screening examination and identify malocclusions that warrant interceptive treatment and/ or orthodontic referral.</li> <li>• Draw up a comprehensive treatment plan for the management of the paediatric patient including the special needs patient.</li> <li>• Recognize complex oro-facial problems and appropriately refer for specialized care.</li> <li>• Communicate as part of a multidisciplinary team in the management of complex paediatric patients.</li> <li>• Apply clinically relevant information after critical analysis of recent evidence-based literature with regards to all appropriate topics.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Pulp therapy for primary and young permanent teeth.</li> <li>• Traumatic injuries of primary and young permanent teeth.</li> <li>• Oral soft tissue infections—assessment and management</li> <li>• Facial and oral hard tissue assessment and management</li> <li>• Management of children with special needs</li> <li>• Integrated case management</li> <li>• Review and critique of current evidence based literature</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week	Other teaching modes that does not require time-table
Contact with lecturer / tutor:	60	Lectures p.w.	0
Assignments & tasks:	360	Practicals p.w.	0
Practicals:	0	Tutorials p.w.	0
Assessments:	0		
Selfstudy:	180		
Other:	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral and Maxillofacial Pathology
<b>Module Topic</b>	Oral Pathology
<b>Generic Module Name</b>	PDD (Oral Pathology) 611 Module 1
<b>Alpha-numeric Code</b>	<b>POP611</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Oral Pathology) (5309)
<b>Year level</b>	1
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Explain the aetiology and pathogenesis of diseases in maxillofacial and oral pathology.</li> <li>• Describe and discuss the diagnostic clinical criteria and the diagnostic histological criteria of diseases in maxillofacial and oral pathology.</li> <li>• Recognize and discuss the pertinent radiological signs and laboratory tests that are used to diagnose diseases in maxillofacial and oral pathology.</li> </ul>
<b>Main Content</b>	The following topics will be covered: <ul style="list-style-type: none"> <li>• Laboratory procedures:</li> <li>• The basic information regarding trimming, embedding, fixation, and staining of tissue including immunocytochemistry.</li> <li>• Soft tissue disease: <ul style="list-style-type: none"> <li>• Infections – bacterial, viral and fungal</li> <li>• Allergies and Immunologic diseases</li> <li>• Dermatologic diseases</li> <li>• Benign tumours</li> <li>• Premalignant lesions and conditions</li> <li>• Oral cancer</li> <li>• Melanoma and pigmented lesions</li> <li>• Salivary gland diseases</li> <li>• Haematological disorders</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Hard tissue pathology</li> <li>• Infections</li> <li>• Cysts – odontogenic and other cysts of the oral regions</li> <li>• Odontogenic tumours</li> <li>• Bone disease</li> <li>• Genetic</li> <li>• Developmental</li> <li>• Bone tumours</li> <li>• Fibro-osseous lesions</li> <li>• Maxillary sinus pathology</li> <li>• Temporomandibular joint diseases.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combinations</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	200	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	60	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	100		
<i>Other:</i>	40		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100%		
	Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Pathology and Forensic Sciences
<b>Module Topic</b>	Oral Pathology
<b>Generic Module Name</b>	PDD (Oral Pathology) Module 2
<b>Alpha-numeric Code</b>	<b>POP612</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PDD (Oral Pathology) (5309)
<b>Year level</b>	2
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Search for, critically analyze and report on scientific literature in his or her final scientific report.</li> </ul>
<b>Main Content</b>	Scientific report <ul style="list-style-type: none"> <li>• The completion and submission of a scientific report in the format of a literature review of about thirty pages with or without clinical case reports.</li> </ul>
<b>Pre-requisite modules</b>	Postgraduate (Diploma in Oral Pathology) Module 1

<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	500	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	School of Public Health, UWC
<b>Module Topic</b>	Intermediate Epidemiology
<b>Generic Module Name</b>	Measuring Health & Disease 2 – Intermediate Epidemiology 713
<b>Alpha-numeric Code</b>	<b>SPH713</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5881)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Critically read and review the epidemiological literature.</li> <li>• Define and measure health and illness events in communities.</li> <li>• Assess the quality and relevance of data used to describe community health and illness.</li> <li>• Apply descriptive epidemiology concepts and principles to public health policy and practice.</li> <li>• Select &amp; apply appropriate indicators to measure health and ill health.</li> <li>• Use EpiInfo 2000 to analyse and interpret raw epidemiological data.</li> <li>• Interpret and report an epidemiological event.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Epidemiological principles and practice</li> <li>• Sources of data, access, reliability and validity, screening, surveillance</li> <li>• Types and design of analytic research studies</li> <li>• Association, causation, reliability, validity and confounding in</li> </ul>

	<ul style="list-style-type: none"> <li>• Epidemiologic research</li> <li>• Natural history of disease, transmission and measurement implications</li> <li>• The critical appraisal of epidemiology research publications and reports</li> <li>• Communication and application: Data summary, presentation and</li> <li>• Priorities for reporting analytic data (including use of computers for</li> <li>• Analysis and presentation)</li> <li>• The role of epidemiology for policy, programme planning, management</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	50		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	School of Public Health, UWC
<b>Module Topic</b>	Health Management
<b>Generic Module Name</b>	Health Management 714
<b>Alpha-numeric Code</b>	<b>SPH714</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5881)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Identify management roles and activities.</li> <li>• Discuss, compare, evaluate, apply models and theories of management.</li> <li>• Use theories and strategies of leadership to strengthen personal leadership skills.</li> <li>• Plan a change process.</li> </ul>

	<ul style="list-style-type: none"> <li>• Describe common problems associated with health information systems.</li> <li>• Interpret how the budget for a facility has been allocated and spent.</li> <li>• Evaluate a budget allocation using various indicators.</li> <li>• Explain the advantages of rational drug use.</li> <li>• Evaluate strategies for improving drug use in developing countries.</li> <li>• Identify common problems in human resource management in the health sector.</li> <li>• Apply theories of motivation to his/her own context.</li> <li>• Explain the value of job descriptions and design.</li> <li>• Develop a supervision plan.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Towards effective management</li> <li>• Managing for change</li> <li>• Planning for change</li> <li>• Managing people</li> <li>• Managing resources</li> <li>• Health risk behavior</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	20	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	90	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	90		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	School of Public Health, UWC
<b>Module Topic</b>	Managing Human Resources for Health
<b>Generic Module Name</b>	Managing Human Resources for Health 727
<b>Alpha-numeric Code</b>	<b>SPH727</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5881)
<b>Year level</b>	3

<b>Main Outcomes</b>	On completion of this module, student should be able to: <ul style="list-style-type: none"> <li>• Discuss key aspects of human resource management.</li> <li>• Describe the role of HRD in the health sector.</li> <li>• Analyse how policy impacts on HR Management.</li> <li>• Conduct an assessment of HR in his/her organisation.</li> <li>• Identify the roles a manager plays in an organisation.</li> <li>• Diagnose leadership requirements in health sector transformation.</li> <li>• Assess and improve team performance.</li> <li>• Apply two of the key theories on staff motivation.</li> <li>• Define and apply strategies to address conflict.</li> <li>• Explain the concept and purpose of staffing norms.</li> <li>• Prepare and implement an interview process.</li> <li>• Develop an induction programme for new staff.</li> <li>• Explain and apply the key concepts and mechanisms of the South African Skills Development Strategy.</li> <li>• Design and implement training needs assessments.</li> <li>• Explain how a developmental approach to supervision differs from traditional approaches.</li> <li>• Assess a performance management strategy.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Human resource management in context</li> <li>• Being a human resource manager</li> <li>• Managing people</li> <li>• Key challenges in human resource management</li> </ul>		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	20	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	90	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	90		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100%		
	Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Department of Anatomy, University of Stellenbosch
<b>Module Topic</b>	Anatomy
<b>Generic Module Name</b>	Anatomy for Maxillofacial and Oral Surgery 811
<b>Alpha-numeric Code</b>	<b>ANA811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS (MFOS) (5811)
<b>Year level</b>	1 or 2

<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of general anatomy, with special emphasis on the head and neck regional-anatomy.</li> <li>• Utilize information technology to access appropriate information on general anatomy, with special emphasis on the head and neck regional-anatomy.</li> <li>• Describe, discuss and apply the knowledge of head and neck regional-anatomy, and anatomy of areas from which transplantation tissue may be obtained.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Embryology</li> <li>• Basic embryology</li> <li>• Central nervous system</li> <li>• Head and Neck</li> <li>• Osteology</li> <li>• Skull</li> <li>• Individual bones of the skull</li> <li>• Cervical vertebrae</li> <li>• Sternum and ribs</li> <li>• Hip bone</li> <li>• Radius and fibula</li> <li>• Head and Neck</li> <li>• Scalp</li> <li>• Cutaneous innervation of face and scalp</li> <li>• Muscles of head and neck</li> <li>• Blood supply of head and neck</li> <li>• Lymph supply of head and neck</li> <li>• Fascia of head and neck</li> <li>• Fascial spaces with reference to infections</li> <li>• Anterior triangle</li> <li>• Posterior triangle</li> <li>• Midline structures of the neck</li> <li>• Suboccipital triangle</li> <li>• Submandibular triangle</li> <li>• Salivary glands</li> <li>• Temporal and infratemporal spaces</li> <li>• Tongue and floor of the mouth</li> <li>• Palate</li> <li>• Pharynx, larynx, oesophagus</li> <li>• Nose and paranasal sinuses</li> <li>• Orbit with contents</li> <li>• Autonomic innervation of head and neck</li> <li>• Blood supply to brain and meninges</li> <li>• Cranial nerves</li> <li>• Thyroid and parathyroid glands</li> <li>• Temporomandibular joint</li> <li>• Thorax</li> <li>• Surface anatomy</li> <li>• Diaphragm</li> <li>• Intercostal spaces and muscles</li> <li>• Blood supply and innervation</li> <li>• Mediastinum content</li> </ul>

	<ul style="list-style-type: none"> <li>• Heart and major blood vessels</li> <li>• Oesophagus and trachea</li> <li>• Radiologic anatomy of thorax</li> <li>• Neuro-anatomy</li> <li>• Subdivisions, lobes, sulci and gyri</li> <li>• Meninges and dural venous sinuses</li> <li>• Arterial and venous drainage</li> <li>• Ventricles</li> <li>• Association, commissure and projection fibres</li> <li>• Midbrain</li> <li>• Blood supply of the brain stem</li> <li>• Pons</li> <li>• Medulla</li> <li>• Fourth ventricle</li> <li>• Cerebellum</li> <li>• Pelvis and Abdomen</li> <li>• Muscles, blood supply and innervation to iliac crest</li> <li>• Anterior abdominal wall</li> <li>• Forearm</li> <li>• Anatomy of the radius</li> <li>• Blood supply, muscles and innervation</li> <li>• Lower Leg</li> <li>• Anatomy of the fibula</li> <li>• Blood supply, muscles and innervation</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	10	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0	
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	0			
<i>Selfstudy:</i>	90			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>150</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%			
<b>Assessment Module type</b>	Final Assessment (FA)			

  

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Department of Anatomy, University of Stellenbosch
<b>Module Topic</b>	Anatomy
<b>Generic Module Name</b>	Anatomy for Oral Medicine and Periodontology 823
<b>Alpha-numeric Code</b>	<b>ANA823</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year

<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS (OM&P) (5811)
<b>Year level</b>	1 or 2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of general anatomy, with special emphasis on the head and neck regional-anatomy.</li> <li>• Utilize information technology to access appropriate information on general anatomy, with special emphasis on the head and neck regional-anatomy.</li> <li>• Describe, discuss and apply the knowledge of head and neck regional-anatomy.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Embryology</li> <li>• Basic embryology</li> <li>• Central nervous system</li> <li>• Head and Neck</li> <li>• Osteology</li> <li>• Skull</li> <li>• Individual bones of the skull</li> <li>• Cervical vertebrae</li> <li>• Head and Neck</li> <li>• Scalp</li> <li>• Cutaneous innervation of face and scalp</li> <li>• Muscles of head and neck</li> <li>• Blood supply of head and neck</li> <li>• Lymph supply of head and neck</li> <li>• Fascia of head and neck</li> <li>• Fascial spaces with reference to infections</li> <li>• Anterior triangle</li> <li>• Posterior triangle</li> <li>• Midline structures of the neck</li> <li>• Suboccipital triangle</li> <li>• Submandibular triangle</li> <li>• Salivary glands</li> <li>• Temporal and infratemporal spaces</li> <li>• Tongue and floor of the mouth</li> <li>• Palate</li> <li>• Pharynx, larynx, oesophagus</li> <li>• Nose and paranasal sinuses</li> <li>• Orbit with contents</li> <li>• Autonomic innervation of head and neck</li> <li>• Blood supply to brain and meninges</li> <li>• Cranial nerves</li> <li>• Thyroid and parathyroid glands</li> <li>• Temporomandibular joint</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	10	Lectures p.w.	1	
Assignments & tasks:	50	Practicals p.w.	0	
Clinical:	0	Tutorials p.w.	0	
Assessments:	0			
Selfstudy:	90			
Other:	0			
<b>Total Learning Time</b>	<b>150</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%			
<b>Assessment Module type</b>	Final Assessment (FA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Department of Physiology, University of Stellenbosch
<b>Module Topic</b>	Physiology
<b>Generic Module Name</b>	Physiology for Oral Medicine and Periodontology 824
<b>Alpha-numeric Code</b>	<b>ANA824</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS (OM&P) (5811)
<b>Year level</b>	1 or 2
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of physiology.</li> <li>• Utilize information technology to access appropriate information on physiology.</li> <li>• Describe, discuss and apply the knowledge of physiology.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Cell physiology and biology</li> <li>• Immunology</li> <li>• Haematology</li> <li>• Cardiovascular/circulation system</li> <li>• Respiratory system</li> <li>• Kidney and acid base balance</li> <li>• Endocrine/metabolism</li> <li>• Central nervous system and muscle physiology</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	10	Lectures p.w.	0	
Assignments & tasks:	50	Practicals p.w.	0	
Clinical:	0	Tutorials p.w.	0	
Assessments:	0			
Selfstudy:	90			
Other:	0			
<b>Total Learning Time</b>	<b>150</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%			
<b>Assessment Module type</b>	Final Assessment (FA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Department of Anatomy, University of Stellenbosch
<b>Module Topic</b>	Gross Anatomy
<b>Generic Module Name</b>	Gross Anatomy - Capita Selecta 825
<b>Alpha-numeric Code</b>	<b>ANA825</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Maxillofacial Radiology) (5801)
<b>Year level</b>	1
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>Describe the basic anatomy common to all maxillofacial radiological examinations.</li> <li>Explain the cross-sectional anatomy in the axial, coronal, sagittal and, where appropriate, oblique planes.</li> <li>Discuss the normal anatomical variations will be expected.</li> <li>Describe the normal development of the growing child.</li> <li>Discuss the osteology of the skull and be familiar with the osteology of the rest of the skeleton.</li> </ul>
<b>Main Content</b>	Main content: Radiological anatomy of: <ul style="list-style-type: none"> <li>The teeth and their development</li> <li>The skull and facial bones</li> <li>The temporo-mandibular joint</li> <li>The paranasal sinuses</li> <li>The orbits and salivary glands</li> <li>Pharynx, larynx and major blood vessels</li> <li>Lymph nodes of the neck</li> <li>A broad knowledge of the radiological anatomy of: <ul style="list-style-type: none"> <li>Cervical spine, brain, respiratory and cardiovascular systems and abdomen</li> </ul> </li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None

<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	20	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	20	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	155		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry UWC and Health Sciences, University of Stellenbosch
<b>Home Department</b>	Dept. of Oral & Maxillofacial Pathology and division of Anatomical Pathology, NHLS Tygerberg Laboratories
<b>Module Topic</b>	Anatomical Pathology for MSc I
<b>Generic Module Name</b>	Anatomical Pathology for MSc 811
<b>Alpha-numeric Code</b>	<b>ANP811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	45
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Oral Pathology) (5801)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <p><b>In General surgical pathology:</b></p> <ul style="list-style-type: none"> <li>• Present a macroscopic description of general surgical specimens submitted as biopsies or surgical resections, and the methods of dissecting and sampling these specimens for microscopic examination.</li> <li>• Describe the steps in tissue fixation and processing, the cutting and staining of histological sections (including special techniques such as electron microscopy, immunohisto – and cyto – chemistry, and molecular pathology).</li> <li>• Apply and evaluate various relevant techniques in surgical pathology such as macro – and microscopic photography, bony tissue decalcification, histochemistry, immunofluorescence, flow cytometry, immunohistochemistry, electron microscopy and molecular pathology.</li> <li>• Recognize and describe the microscopic features of diseased tissues (including all types of tissue and all</li> </ul>

	<p>types of disease appropriate to entry – level post – graduate pathology student).</p> <ul style="list-style-type: none"> <li>Describe the elements of anatomical pathology reporting including appropriate observations and conclusions, appropriate amount of detail, and an indication of the degree of confidence with which any suggested diagnosis is made and placed in context of the clinical presentation of the pathosis or information received thereof, and proforma reporting using minimum cancer datasets.</li> <li>Use appropriately information technology and network/internet service for producing pathology reports and laboratory statistics.</li> <li>Explain good laboratory practice. i.e. health and safety regulations, quality control and ethical observance in the histopathology laboratory.</li> </ul> <p><b>In cytopathology</b></p> <ul style="list-style-type: none"> <li>Describe in detail the principles and techniques for FNA and (Mucosal surface) brushings, preparation of smears and tissue imprints, and the on – site interpretation of cytological samples.</li> <li>Describe the basic principles and procedure in the collection of sputum, serous effusions, urine, bronchial brushings/ lavages, cervical brushings, etc.</li> <li>Describe how assess material from all the common types of cytology specimens.</li> <li>Explain the criteria of adequacy of cytological specimens/ preparations and provide possible reasons for inadequacies and describe how these may be overcome.</li> <li>Explain the role of cytology in screening programmes</li> </ul> <p><b>Post – mortem examination</b></p> <ul style="list-style-type: none"> <li>Identify and photo – document diseased organs and tissues.</li> <li>Describe the process of sampling of organs, blood and body fluid cultures.</li> <li>Describe the preparation of appropriate tissue samples.</li> <li>Examine microscopic slides to identify and describe pathologic tissue alterations for fixation and processing, or analysis.</li> <li>Explain the process for formulating a meaningful interpretation and differential diagnosis regarding a meaningful interpretation and differential diagnosis regarding the patient's clinical course and cause of death.</li> <li>Explain how pathological findings and conclusions are communicated to professional colleagues.</li> </ul>
<b>Main Content</b>	<p><b>Genetic, developmental, infectious, neoplastic, (auto)-immune and environmental disorders of the following organ systems:</b></p> <ul style="list-style-type: none"> <li>Head and neck</li> <li>Bones, joints, and soft tissues</li> </ul>

	<ul style="list-style-type: none"> <li>• Skin</li> <li>• Vascular and lymphatic systems, thymus</li> <li>• Peripheral nerve and skeletal muscle</li> <li>• Haematopoietic and lympho-reticular tissues</li> <li>• Blood vessels and the heart</li> <li>• Gastrointestinal tract, liver and biliary tract</li> <li>• Endocrine systems</li> <li>• The lungs, pancreas and kidneys</li> <li>• Breast and female genital tract</li> <li>• The central nervous system and eye.</li> <li>• The lower urinary tract and the male genital tract</li> </ul> <b>Histopathology and cytopathology techniques and associated anatomical pathology laboratory procedures.</b> <b>Post – mortem procedures</b>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer: / tutor:</i>	135	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	45	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	135	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	135		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>450</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Dept. of oral & Maxillofacial Pathology and Division of Anatomical Pathology, NHLS Tygerberg Laboratories
<b>Module Topic</b>	Anatomical Pathology, Cytopathology and Morbid Anatomy
<b>Generic Module Name</b>	Anatomical Pathology for MSc II
<b>Alpha-numeric Code</b>	<b>ANP812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	40
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	MSc (Oral Pathology) (5801)
<b>Year Level</b>	2

<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <p><b>In anatomical and surgical pathology</b></p> <ul style="list-style-type: none"> <li>• Methodically receive and register surgical and cyto – pathology specimens in a laboratory</li> <li>• Accurately describe the macroscopic appearances of routine general surgical specimens submitted as biopsies or surgical resections</li> <li>• Describe how these specimens should be appropriately dissected and sampled for microscopic examination</li> <li>• Determine the need for the application of various diagnostic and research techniques in surgical pathology (Such as macro – and microscopic photography, bony tissue decalcification, histochemistry, immunofluorescence, flow cytometry, immunohistochemistry, electron microscopy and relevant molecular pathology techniques such as PCR and in situ hybridization), and evaluate the outcome thereof</li> <li>• Appraise the outcome of tissue fixation and processing, the cutting and staining of histological sections (Including special techniques such as histochemistry, immunohisto –and cyto – chemistry, immunofluorescence, electron microscopy, and molecular pathology)</li> <li>• Appraise the salient microscopic features of common diseases involving all the various tissues and organ systems</li> <li>• Complete anatomical pathology reports, including appropriate detail, observations, written in a lucid style</li> <li>• Apply proforma reporting using minimum cancer datasets</li> <li>• Place the diagnosis in the context of the clinical presentation of the pathosis or information received thereof</li> <li>• Cut, stain and evaluate frozen tissue sections in the laboratory</li> <li>• Use information technology for producing pathology reports and laboratory statistics</li> <li>• Interact purposefully with colleagues and appropriately with laboratory staff over those technical aspects for which they are responsible</li> <li>• Adhere to good laboratory practice, i.e. health and safety regulations, quality control and ethical observance in the pathology and research laboratory.</li> </ul> <p><b>In cytopathology</b></p> <ul style="list-style-type: none"> <li>• Perform fine needle aspirations (FNA) and (mucosal surface) Brushings, prepare smears and tissue imprints</li> <li>• Distinguish the basic features of material derived from all the common types of specimens including FNA, sputum, bronchial brushings, cervical brushings, serous effusions, urine</li> </ul>
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	<ul style="list-style-type: none"> <li>• Assess the adequacy of cytological specimens/ preparations and present the possible reasons for the inadequacies and indicate how these may be overcome</li> <li>• Apply cytology to screening programmes</li> </ul> <p><b>In autopsy pathology, after the observation of a minimum of 10 full post – mortem examinations under the supervision of a general pathologist or a forensic pathologist:</b></p> <ul style="list-style-type: none"> <li>• Describe common post – mortem changes</li> <li>• Identify and photo – document diseased organs and tissues</li> <li>• Describe basic autopsy findings of range of common diseases</li> <li>• Prepare appropriate tissue samples for fixation and processing, or analysis</li> <li>• Examine and interpret microscopic slides of post – mortem tissues to identify and describe pathologic tissue alterations</li> <li>• Synthesize the available clinical and pathologic information to formulate a meaningful interpretation and differential diagnosis regarding the patient's clinical course and cause of death</li> <li>• Communicate the pathological findings and conclusions to professional colleagues</li> </ul>
<b>Main Content</b>	<p><b>Genetic, developmental, infectious, neoplastic, (auto) – immune and environmental disorders of the following organ systems:</b></p> <ul style="list-style-type: none"> <li>• Head and neck</li> <li>• Bones, joints and soft tissues</li> <li>• Skin</li> <li>• Vascular and lymphatic systems, thymus</li> <li>• Peripheral nerve and skeletal muscle</li> <li>• Haematopoietic and lympho – reticular tissues</li> <li>• Blood vessels and the heart</li> <li>• Gastrointestinal tract, liver and biliary tract</li> <li>• Endocrine systems</li> <li>• The lungs, pancreas and kidneys</li> <li>• Breast and female genital tract</li> <li>• The central nervous system and eye</li> <li>• The lower urinary tract and the male genital tract</li> </ul> <p><b>Histo – and cyto – pathology techniques and associated anatomical pathology laboratory procedures.</b></p> <p><b>Post – mortem procedures</b></p>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	70	Lectures p.w.	0	
Assignments & tasks:	60	Practicals p.w.	0	
Practicals:	160	Tutorials p.w.	0	
Assessments:	20			
Selfstudy:	90			
Other:	0			
<b>Total Learning Time</b>	<b>400</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Department of the field of study, Faculty of Dentistry
<b>Module Topic</b>	MSc (Full Thesis)
<b>Generic Module Name</b>	Dentistry Masters Thesis 801/802
<b>Alpha-numeric Code</b>	<b>DNT801/DNT802</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	120
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Full Thesis) (5800)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Propose a relevant oral health research question.</li> <li>Prepare and present a viable research protocol to Faculty.</li> <li>Conduct a literature search based on the research question.</li> <li>Write a literature review in which the evidence supporting conclusions in the relevant literature is critically appraised.</li> <li>Identify and consult with appropriate experts to develop and conduct research.</li> <li>Carry out a scientifically meaningful research project.</li> <li>Prepare a written thesis of 20 000 – 45 000 words.</li> <li>Present and publish the research findings.</li> <li>Identify areas for further research arising from the results.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Research topics may derive from any area of oral health.</li> <li>During the programme, the student will:</li> <li>Explore the theoretical aspects of: <ul style="list-style-type: none"> <li>Research principles</li> <li>Protocol structure</li> <li>Literature search and review</li> <li>Study designs and sampling</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Descriptive statistics and statistical software</li> <li>• Research report writing</li> <li>• Apply this knowledge to</li> <li>• Define research problems, aims and objectives</li> <li>• Prepare and present a research protocol</li> <li>• Implement a research project</li> <li>• Write a research report</li> <li>• Present the research findings</li> <li>• Prepare research findings for publication</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	1100		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>1200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Various departments depending on disciplinary area selected
<b>Module Topic</b>	Dentistry Mini-Thesis
<b>Generic Module Name</b>	Dentistry Mini-Thesis 803/804
<b>Alpha-numeric Code</b>	<b>DNT803/804</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	70
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (OM&P) (5811); MDS/MChD (MFOS) (5811); MDS/MChD (Community Dentistry) (5881); MDS/MChD (Prosthodontics) (5811); MDS/MChD (Oral Pathology) (5881); MDS/MChD (Orthodontics) (5811); MSc (Forensic Dentistry) (5807); MSc (Dental Public Health) (5807); MSc (Maxillofacial Radiology) (5807); MSc (Oral Medicine) (5807); MSc (Periodontology) (5807); MSc (Oral Pathology) (5807); MSc (Paediatric Dentistry) (5801); MSc (Restorative Dentistry) (5801)
<b>Year level</b>	2 or 4

<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Write a literature review.</li> <li>• Carry out a research project.</li> <li>• Capture and analyse a data set.</li> <li>• Prepare a written research report.</li> <li>• Present the research findings to faculty.</li> <li>• Formulate the research as an article for publication.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Research topics will come from all disciplinary areas of dentistry</li> <li>• The module content includes: <ul style="list-style-type: none"> <li>• Implementing a research project</li> <li>• Preparing a written research report</li> <li>• Presenting the research findings</li> <li>• Preparing research findings for publication</li> </ul> </li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Data collection &amp; analysis:</i>	100	<i>Tutorials p.w.</i>	0
<i>Writing research report / Mini thesis:</i>	150		
<i>Conference presentation:</i>	10		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>400</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Dental Public Health
<b>Generic Module Name</b>	Introduction to Dental Public Health 810
<b>Alpha-numeric Code</b>	<b>DPH810</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	MSc (Dental Public Health) (5801)
<b>Year level</b>	1
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Discuss the concepts public health, health promotion &amp; primary health care.</li> </ul>

	<ul style="list-style-type: none"> <li>• Use a computer to capture data, analyse data using Epi Info, write reports, search for literature, email.</li> <li>• Discuss the role of social sciences in dentistry.</li> <li>• Review different forms of health programme management.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Course orientation</li> <li>• Public health</li> <li>• Health promotion</li> <li>• Primary health care</li> <li>• Academic literacy</li> <li>• Epidemiology</li> <li>• Library orientation</li> <li>• Computer literacy</li> <li>• Social &amp; behavioural sciences in dentistry</li> <li>• Organization &amp; management</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	7
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	2
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	50		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Dental Public Health
<b>Generic Module Name</b>	Introduction to Dental Public Health 811
<b>Alpha-numeric Code</b>	<b>DPH811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)
<b>Year level</b>	1
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Discuss the concepts public health, health promotion &amp; primary health care.</li> </ul>

	<ul style="list-style-type: none"> <li>• Use a computer to capture data, analyse data using Epi Info, write reports, search for literature, email.</li> <li>• Discuss the role of social sciences in dentistry</li> <li>• Review different forms of health programme management.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Programme orientation</li> <li>• Public health</li> <li>• Health promotion</li> <li>• Primary health care</li> <li>• Academic literacy</li> <li>• Epidemiology</li> <li>• Epidemiology</li> <li>• Library orientation</li> <li>• Computer literacy</li> <li>• Social and behavioural sciences in dentistry</li> <li>• Organization and management</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	6
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	2
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	50		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Behavioural Science & Dentistry
<b>Generic Module Name</b>	Behavioural Science & Dentistry 812
<b>Alpha-numeric Code</b>	<b>DPH812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)
<b>Year level</b>	2
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Explain perceptions.</li> </ul>

	<ul style="list-style-type: none"> <li>• Recognise determinants of behaviour and explain how they relate to health.</li> <li>• Recognise and explain the impact of needs, attitudes and values on health.</li> <li>• Recognise psychological defence mechanisms.</li> <li>• Recognise and explain the effect of psychological factors on health risk behaviour.</li> <li>• Recognise and explain the effects of destructive lifestyle practises.</li> <li>• Identify, explain and select strategies for the promotion of healthy behaviour.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• This module addresses the interaction between human behaviour and health with the focus on public health.</li> <li>• Perceptions and determinants of behaviour</li> <li>• Wants, needs, attitudes, values and identity</li> <li>• Psychological defence mechanisms</li> <li>• Characteristics of a healthy personality</li> <li>• Health risk behaviours</li> <li>• Destructive lifestyle practises and stress</li> <li>• Promotion of healthy behavior</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	60		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	School of Public Health and Family Medicine, UCT
<b>Module Topic</b>	Economic Evaluation in Health Care
<b>Generic Module Name</b>	Theory and Application of Economic Evaluation in Health Care 813
<b>Alpha-numeric Code</b>	<b>DPH813</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second Semester

<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)		
<b>Year level</b>	3		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the theory of economic evaluation in health care.</li> <li>• Discuss economic evaluation techniques, their limitations, application and analysis.</li> <li>• Explain the importance of modelling in economics, the alternative types of models, their characteristics and limitations.</li> <li>• Design and conduct cost-effectiveness, cost-utility and cost benefit analysis, with an aim of informing a policy formulation and implementation process.</li> <li>• Explain the potential role of economic evaluation in policy-making and service delivery level.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Welfare economics and economic evaluation</li> <li>• Costing in economic evaluation</li> <li>• Discounting and annualisation</li> <li>• Output measurement and evaluation</li> <li>• Valuing health care benefits in money terms</li> <li>• Ethical issues in economic evaluation</li> <li>• Cost-effectiveness, cost-utility and cost benefit analysis</li> <li>• Uncertainty in economic evaluation</li> <li>• Modelling in economic evaluation</li> <li>• Introduction to pharmaco-economic evaluations</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	30	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	90	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	80		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

  

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	DPH Case Studies
<b>Generic Module Name</b>	Dental Public Health (DPH Case Studies (1-6) 821
<b>Alpha-numeric Code</b>	<b>DPH821</b>
<b>NQF Level</b>	9

<b>NQF Credit Value</b>	20		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MSc (Dental Public Health) (5801) MDS/MChD (Community Dentistry) (5881)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Provide a detailed analysis of at least 6 high priority DPH problems.</li> <li>• Discuss the public health implications of each DPH case examined.</li> <li>• Explain the relationship of DPH to the broader environment of public health and society.</li> </ul>		
<b>Main Content</b>	<p>Students will work through six different DPH scenarios including:</p> <ul style="list-style-type: none"> <li>• Early childhood caries</li> <li>• Oral cancer</li> <li>• HIV and oral health</li> <li>• Evidence based dentistry</li> <li>• Fluoride</li> <li>• Community based prevention programmes</li> </ul> <p>The broad components of each DPH case include:</p> <ul style="list-style-type: none"> <li>• A narrative introduction</li> <li>• A focus on understanding and describing the nature of the DPH problem</li> <li>• Critique various options for responding to the problem</li> <li>• Address issues related to health, development and other influences on DPH</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	50		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Community Oral Health		
<b>Module Topic</b>	Field Placements 1-4		
<b>Generic Module Name</b>	Field Placements 822		
<b>Alpha-numeric Code</b>	DPH822		
<b>NQF Level</b>	9		
<b>NQF Credit Value</b>	30		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)		
<b>Year level</b>	2		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Present seminars which engage critically with designated dental public health issues.</li> <li>• Analyse public health situations/problems and design programmes accordingly.</li> <li>• Consider alternative strategies.</li> <li>• Implement and manage most appropriate strategy.</li> <li>• Evaluate programmes/strategies and effect changes as necessary.</li> </ul> <p><b>General Outcomes</b></p> <ul style="list-style-type: none"> <li>• To integrate public health theory and concepts into practical application.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Public Health</li> <li>• Health Promotion</li> <li>• Primary Health Care</li> <li>• Health management and Organization</li> <li>• Health Economics</li> <li>• Epidemiology</li> </ul> <p><b>General Content</b></p> <ul style="list-style-type: none"> <li>• Planning, implementation and evaluation of dental public health programmes and monitoring of public dental health</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	1
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	40		
<i>Selfstudy:</i>	0		

<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>300</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Community Oral Health			
<b>Module Topic</b>	Field Placements 1-4			
<b>Generic Module Name</b>	Field Placements 823			
<b>Alpha-numeric Code</b>	<b>DPH823</b>			
<b>NQF Level</b>	9			
<b>NQF Credit Value</b>	30			
<b>Duration</b>	Year			
<b>Proposed semester to be offered</b>	Both Semesters			
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)			
<b>Year level</b>	3			
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Present seminars which engage critically with designated dental public health issues.</li> <li>• Analyse public health situations/problems and design programmes accordingly.</li> <li>• Consider alternative strategies.</li> <li>• Implement and manage most appropriate strategy.</li> <li>• Evaluate programmes/strategies and effect changes as necessary.</li> </ul> <p><b>General Outcomes</b></p> <ul style="list-style-type: none"> <li>• To integrate public health theory and concepts into practical application.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Public Health</li> <li>• Health Promotion</li> <li>• Primary Health Care</li> <li>• Health management and Organization</li> <li>• Health Economics</li> <li>• Epidemiology</li> </ul> <p><b>General Content</b></p> <ul style="list-style-type: none"> <li>• Planning, implementation and evaluation of dental public health programmes and monitoring of public dental health</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	1	

<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	40			
<i>Selfstudy:</i>	0			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>300</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Academic Placements 1-4
<b>Generic Module Name</b>	Academic Placements 824
<b>Alpha-numeric Code</b>	<b>DPH824</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)
<b>Year level</b>	4
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Prepare and deliver lectures, seminars and other learning activities at undergraduate level.</li> <li>• Supervise undergraduate students in primary oral health care.</li> <li>• Contribute effectively to health research team activities.</li> <li>• Administer CPD, undergraduate and other departmental programmes.</li> <li>• Assess report on and propose solutions to assigned OHC management problems.</li> </ul>
<b>Main Content</b>	These modules address an array of tasks and responsibilities carried out within the environment of the home department and Academic Oral Health Complex. They include: <ul style="list-style-type: none"> <li>• Teaching undergraduates</li> <li>• Clinical supervision and service</li> <li>• Research team activity (data collection, presentations, reporting etc.)</li> <li>• Administration (course coordination, evaluation, planning etc.)</li> <li>• Management problem solving tasks</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	50	Lectures p.w.	0	
Assignments & tasks:	100	Practicals p.w.	0	
Clinical:	0	Tutorials p.w.	0	
Assessments:	0			
Selfstudy:	50			
Other:	0			
<b>Total Learning Time</b>	<b>200</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	DPH Case Studies (7-10)
<b>Generic Module Name</b>	Dental Public Health (DPH) Case Studies (7-10) 831
<b>Alpha-numeric Code</b>	<b>DPH831</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)
<b>Year level</b>	1
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Provide a detailed analysis of a further 4 high priority DPH problems.</li> <li>• Discuss the public health implications of each DPH case examined.</li> <li>• Explain the relationship of DPH to the broader environment of public health and society.</li> </ul>
<b>Main Content</b>	Students will work through four different DPH scenarios including: <ul style="list-style-type: none"> <li>• Health services delivery</li> <li>• Financing oral health services</li> <li>• Formulating oral health policy</li> <li>• Management of oral health services</li> </ul> The broad components of each DPH case include: <ul style="list-style-type: none"> <li>• A narrative introduction</li> <li>• Understanding and describing the nature of the DPH problem</li> <li>• Critique various options for responding to the problem</li> <li>• Address issues &amp; influences related to health, development and DPH</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None

<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	50		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Academic Placements
<b>Generic Module Name</b>	Academic Placements 1-4
<b>Alpha-numeric Code</b>	<b>DPH834</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Prepare and deliver lectures, seminars and other learning activities at undergraduate level.</li> <li>• Supervise undergraduate students in primary oral health care.</li> <li>• Contribute effectively to health research team activities.</li> <li>• Administer CPD, undergraduate and other departmental programmes.</li> <li>• Assess report on and propose solutions to assigned OHC management problems.</li> </ul>
<b>Main Content</b>	<p>These modules address an array of tasks and responsibilities carried out within the environment of the home department and Academic Oral Health Complex. They include:</p> <ul style="list-style-type: none"> <li>• Teaching undergraduates</li> <li>• Clinical supervision and service</li> <li>• Research team activity (data collection, presentations, reporting etc.)</li> <li>• Administration (course coordination, evaluation, planning etc.)</li> <li>• Management problem solving tasks</li> </ul>

<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	50		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Field Placements 3
<b>Generic Module Name</b>	Field Placements 837
<b>Alpha-numeric Code</b>	<b>DPH837</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	30
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Present seminars which engage critically with designated dental public health issues.</li> <li>• Analyse public health situations/problems and design programmes accordingly.</li> <li>• Consider alternative strategies.</li> <li>• Implement and manage most appropriate strategy.</li> <li>• Evaluate programmes/strategies and effect changes as necessary.</li> </ul> <p><b>General Outcomes</b></p> <ul style="list-style-type: none"> <li>• To integrate public health theory and concepts into practical application.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Public Health</li> <li>• Health Promotion</li> <li>• Primary Health Care</li> <li>• Health management and Organization</li> <li>• Health Economics</li> <li>• Epidemiology</li> </ul>

	<b>General Content</b> <ul style="list-style-type: none"> <li>Planning, implementation and evaluation of dental public health programmes and monitoring of public dental health</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	1
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	40		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>300</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Field Placements 4
<b>Generic Module Name</b>	Field Placements 838
<b>Alpha-numeric Code</b>	<b>DPH838</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	30
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Present seminars which engage critically with designated dental public health issues.</li> <li>Analyse public health situations/problems and design programmes accordingly.</li> <li>Consider alternative strategies.</li> <li>Implement and manage most appropriate strategy.</li> <li>Evaluate programmes/strategies and effect changes as necessary.</li> </ul> <p><b>General Outcomes</b></p> <ul style="list-style-type: none"> <li>To integrate public health theory and concepts into practical application.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Public Health</li> <li>Health Promotion</li> <li>Primary Health Care</li> </ul>

	<ul style="list-style-type: none"> <li>• Health management and Organization</li> <li>• Health Economics</li> <li>• Epidemiology</li> </ul> <b>General Content</b> <ul style="list-style-type: none"> <li>• Planning, implementation and evaluation of dental public health programmes and monitoring of public dental health</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	1
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	40		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>300</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Applied Dental Public Health
<b>Generic Module Name</b>	Applied Dental Public Health 839
<b>Alpha-numeric Code</b>	<b>DPH839</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	30
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5881)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Present seminars which engage critically with designated dental public health issues.</li> <li>• Analyse public health situations/problems and design programmes accordingly.</li> <li>• Consider alternative strategies.</li> <li>• Implement and manage most appropriate strategy.</li> <li>• Evaluate programmes/strategies and effect changes as necessary.</li> </ul> <p><b>General Outcomes</b></p> <ul style="list-style-type: none"> <li>• To integrate public health theory and concepts into practical application.</li> </ul>

<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Public Health</li> <li>• Health Promotion</li> <li>• Primary Health Care</li> <li>• Health management and Organization</li> <li>• Health Economics</li> <li>• Epidemiology</li> </ul> <b>General Content</b> <ul style="list-style-type: none"> <li>• Planning, implementation and evaluation of dental public health programmes and monitoring of public dental health.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	3
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	2
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	4
<i>Assessments:</i>	40		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>300</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		
<b>Assessment Module type</b>	Final Assessment (FA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Academic Placements 1-4
<b>Generic Module Name</b>	Academic Placements 841
<b>Alpha-numeric Code</b>	<b>DPH841</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5811)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Prepare and deliver lectures, seminars and other learning activities at undergraduate level.</li> <li>• Supervise undergraduate students in primary oral health care.</li> <li>• Contribute effectively to health research team activities.</li> <li>• Administer CPD, undergraduate and other departmental programmes.</li> </ul>

	<ul style="list-style-type: none"> <li>Assess report on and propose solutions to assigned OHC management problems.</li> </ul>		
<b>Main Content</b>	<p>These modules address an array of tasks and responsibilities carried out within the environment of the home department and Academic Oral Health Complex. They include:</p> <ul style="list-style-type: none"> <li>Teaching undergraduates</li> <li>Clinical supervision and service</li> <li>Research team activity (data collection, presentations, reporting etc.)</li> <li>Administration (course coordination, evaluation, planning etc.)</li> <li>Management problem solving tasks</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	50		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Academic Placements 1-4
<b>Generic Module Name</b>	Academic Placements 842
<b>Alpha-numeric Code</b>	<b>DPH842</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry), (5811)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Prepare and deliver lectures, seminars and other learning activities at undergraduate level.</li> <li>Supervise undergraduate students in primary oral health care.</li> <li>Contribute effectively to health research team activities.</li> </ul>

	<ul style="list-style-type: none"> <li>• Administer CPD, undergraduate and other departmental programmes.</li> <li>• Assess report on and propose solutions to assigned OHC management problems.</li> </ul>		
<b>Main Content</b>	<p>These modules address an array of tasks and responsibilities carried out within the environment of the home department and Academic Oral Health Complex. They include:</p> <ul style="list-style-type: none"> <li>• Teaching undergraduates</li> <li>• Clinical supervision and service</li> <li>• Research team activity (data collection, presentations, reporting etc.)</li> <li>• Administration (course coordination, evaluation, planning etc.)</li> <li>• Management problem solving tasks</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	50		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	DPH Case Studies (7-10)
<b>Generic Module Name</b>	Dental Public Health (DPH) Case Studies (7-10) 851
<b>Alpha-numeric Code</b>	<b>DPH851</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Dental Public Health) (5801)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Provide a detailed analysis of a further 4 high priority DPH problems.</li> </ul>

	<ul style="list-style-type: none"> <li>• Discuss the public health implications of each DPH case examined.</li> <li>• Explain the relationship of DPH to the broader environment of public health and society.</li> </ul>		
<b>Main Content</b>	<p>Students will work through four different DPH scenarios including:</p> <ul style="list-style-type: none"> <li>• Health services delivery</li> <li>• Financing oral health services</li> <li>• Formulating oral health policy</li> <li>• Management of oral health services</li> </ul> <p>The broad components of each DPH case include:</p> <ul style="list-style-type: none"> <li>• A narrative introduction</li> <li>• A focus on understanding and describing the nature of the DPH problems</li> <li>• Critique various options for responding to the problem</li> <li>• Address issues related to health, development and other influences on DPH.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	50		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Pathology and Forensic Sciences
<b>Module Topic</b>	Forensic Dentistry
<b>Generic Module Name</b>	Forensic Dentistry 811
<b>Alpha-numeric Code</b>	<b>FOR811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	40
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Forensic Dentistry) (5807)
<b>Year level</b>	1

<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Describe the legal system and the role of the forensic dentist.</li> <li>• Gather, preserve and prepare evidence for court presentation.</li> <li>• Liaise with colleagues in forensic medicine, the police services, the justice department and other forensic disciplines in South Africa and internationally.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Basic medical sciences including anatomy, embryology, physical anthropology, comparative anatomy and dental histology.</li> <li>• Forensic medicine, autopsy techniques, body fluid analysis, exhumation, mass disaster identification and bite marks.</li> <li>• Dental materials, prosthetic dentistry, comparative dental practice and charting methods.</li> <li>• Legal aspects pertaining to forensic dentistry and the justice system; crime scene investigation, duties of the State Pathologist and mass disaster investigation.</li> <li>• Data capture and retrieval using computer programmes, child abuse and rape victim examination, forensic photography and forensic entomology.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer: / tutor:</i>	80	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	20	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	150		
<i>Other:</i>	40		
<b>Total Learning Time</b>	<b>400</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Dept Oral & Maxillofacial Pathology
<b>Module Topic</b>	Forensic Odontology (rotation)
<b>Generic Module Name</b>	Forensic Odontology (rotation) 813
<b>Alpha-numeric Code</b>	<b>FOR813</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters

<b>Programmes in which the module will be offered</b>	MDS/MChD (Oral Pathology) (5811)		
<b>Year level</b>	3		
<b>Main Outcome</b>	<p>On completion of this module, students should be able to:</p> <p>Demonstrate an insight into the:</p> <ul style="list-style-type: none"> <li>• Forensic aspects of pathology and of law and ethics relating to death certification, post-mortem examination, tissue and organ retention, genetic testing and research involving human tissues and fluids or clinical records.</li> <li>• Duties of the State Pathologist, legal aspects pertaining to forensic dentistry and the justice system.</li> <li>• Role of the forensic dentist in crime scene, accident and mass disaster investigation.</li> <li>• Legal and practical aspects of child abuse.</li> <li>• The role of dental materials and prosthetic dentistry in forensic dentistry.</li> </ul>		
<b>Main Content</b>	<p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>• Data capture and retrieval using computer programmes, child abuse and rape victim examination, forensic photography and forensic entomology</li> <li>• Accident and crime scene investigation, exhumation</li> <li>• Identification of dental and mutilated body remains, and analysis of bite marks</li> <li>• Comparative dental practice and charting, age determination</li> <li>• Evidence gathering, preservation and report preparation for court presentation</li> <li>• Liaison with colleagues in Forensic Medicine, the Police Services, the Justice Department and other forensic disciplines in South Africa and internationally.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	25	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	50	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	25		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Dept Oral & Maxillofacial Pathology		
<b>Module Topic</b>	Forensic Odontology (rotation)		
<b>Generic Module Name</b>	Forensic Odontology (rotation) 814		
<b>Alpha-numeric Code</b>	<b>FOR814</b>		
<b>NQF Level</b>	9		
<b>NQF Credit Value</b>	10		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MDS/MChD (Oral Pathology) (5811)		
<b>Year level</b>	4		
<b>Main Outcome</b>	<p>On completion of this module, students should be able to: Demonstrate an insight into the:</p> <ul style="list-style-type: none"> <li>• Forensic aspects of pathology and of law and ethics relating to death certification, post-mortem examination, tissue and organ retention, genetic testing and research involving human tissues and fluids or clinical records.</li> <li>• Duties of the State Pathologist, legal aspects pertaining to forensic dentistry and the justice system.</li> <li>• Role of the forensic dentist in crime scene, accident and mass disaster investigation.</li> <li>• Legal and practical aspects of child abuse.</li> <li>• The role of dental materials and prosthetic dentistry in forensic dentistry.</li> </ul>		
<b>Main Content</b>	<p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>• Data capture and retrieval using computer programmes, child abuse and rape victim examination, forensic photography and forensic entomology</li> <li>• Accident and crime scene investigation, exhumation</li> <li>• Identification of dental and mutilated body remains, and analysis of bite marks</li> <li>• Comparative dental practice and charting, age determination</li> <li>• Evidence gathering, preservation and report preparation for court presentation</li> <li>• Liaison with colleagues in Forensic Medicine, the Police Services, the Justice Department and other forensic disciplines in South Africa and internationally.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	25	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	50	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		

<i>Selfstudy:</i>	25			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Orthodontics			
<b>Module Topic</b>	Interceptive orthodontics			
<b>Generic Module Name</b>	Interceptive orthodontics 821			
<b>Alpha-numeric Code</b>	<b>INO821</b>			
<b>NQF Level</b>	9			
<b>NQF Credit Value</b>	10			
<b>Duration</b>	Year			
<b>Proposed semester to be offered</b>	Both Semesters			
<b>Programmes in which the module will be offered</b>	MSc (Paediatric Dentistry) (5801)			
<b>Year level</b>	1			
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Diagnose anomalies of the dentition and occlusion.</li> <li>• Evaluate the need for orthodontic treatment.</li> <li>• Locate and critique the relevant literature.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Physiologic growth and development</li> <li>• Biomechanics; cephalometrics; skeletal maturity indicators.</li> <li>• Development of the occlusion and the classification.</li> <li>• Early treatment in the mixed dentition.</li> <li>• Aetiology of malocclusion.</li> <li>• Management of space in the primary and mixed dentition.</li> <li>• Diagnosis and treatment planning.</li> <li>• Functional jaw orthopaedics.</li> <li>• Capabilities and limitations of Removable Orthodontics.</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	24	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	18	<i>Practicals p.w.</i>	0	
<i>Clinical:</i>	40	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	0			

<i>Selfstudy:</i>	18			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Orthodontics			
<b>Module Topic</b>	Interceptive orthodontics II			
<b>Generic Module Name</b>	Interceptive Orthodontics 822			
<b>Alpha-numeric Code</b>	<b>INO822</b>			
<b>NQF Level</b>	9			
<b>NQF Credit Value</b>	5			
<b>Duration</b>	Year			
<b>Proposed semester to be offered</b>	Both Semesters			
<b>Programmes in which the module will be offered</b>	MSc (Paediatric Dentistry) (5801)			
<b>Year level</b>	2			
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Formulate a treatment plan for interceptive orthodontics and predict its course.</li> <li>Carry out interceptive orthodontics measures.</li> <li>Execute simple interceptive orthodontic treatment procedures.</li> <li>Explain the multidisciplinary approach for the treatment of cleft palate patients.</li> <li>Construct and adjust basic removable appliances and functional appliances.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Laboratory appliance construction techniques</li> <li>Clinical case management</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	12	<i>Lectures p.w.</i>	0	
<i>Case Presentations:</i>	2	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	32	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	0			
<i>Selfstudy:</i>	4			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>50</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Maxillofacial and Oral Surgery		
<b>Module Topic</b>	Maxillofacial and Oral Surgery		
<b>Generic Module Name</b>	Maxillofacial and Oral Surgery 811		
<b>Alpha-numeric Code</b>	<b>MFO811</b>		
<b>NQF Level</b>	9		
<b>NQF Credit Value</b>	80		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MDS/MChD (MFOS) (5811)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of Maxillofacial and Oral Surgery.</li> <li>• Utilize information technology to access appropriate information on Maxillofacial and Oral Surgery.</li> <li>• Examine, diagnose and manage a Maxillofacial and Oral Surgical patient.</li> <li>• Examine, manage and refer a complex surgical patient.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Dento-alveolar surgery</li> <li>• Implantology</li> <li>• Trauma surgery</li> <li>• Surgical pathology</li> <li>• Oral medicine</li> <li>• Infections</li> <li>• Applied pharmacology</li> <li>• Maxillofacial radiology and imaging</li> <li>• TMJ and Facial Pain</li> <li>• Local anaesthesia, sedation, pain control</li> <li>• Pre-prosthetic surgery</li> <li>• Maxillofacial prosthetic surgery</li> <li>• Cleft deformities</li> <li>• Craniofacial surgery</li> <li>• Reconstructive surgery</li> <li>• Microsurgery</li> <li>• Orthognathic surgery</li> <li>• Cosmetic Maxillofacial Surgery</li> <li>• Non-maxillofacial and oral surgical procedures</li> <li>• Principles of research</li> <li>• Basic medical-legal principles.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0

<i>Practicals:</i>	600	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	0			
<i>Selfstudy:</i>	50			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>800</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Maxillofacial and Oral Surgery
<b>Generic Module Name</b>	Maxillofacial and Oral Surgery 812
<b>Alpha-numeric Code</b>	<b>MFO812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	100
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (MFOS) (5811)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of Maxillofacial and Oral Surgery.</li> <li>• Utilize information technology to access appropriate information on Maxillofacial and Oral Surgery.</li> <li>• Examine, diagnose and manage a Maxillofacial and Oral Surgical patient.</li> <li>• Examine, manage and refer a complex surgical patient.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Dento-alveolar surgery</li> <li>• Implantology</li> <li>• Trauma surgery</li> <li>• Surgical pathology</li> <li>• Oral medicine</li> <li>• Infections</li> <li>• Applied pharmacology</li> <li>• Maxillofacial radiology and imaging</li> <li>• TMJ and Facial Pain</li> <li>• Local anaesthesia, sedation, pain control</li> <li>• Pre-prosthetic surgery</li> <li>• Maxillofacial prosthetic surgery</li> <li>• Cleft deformities</li> <li>• Craniofacial surgery</li> <li>• Reconstructive surgery</li> <li>• Microsurgery</li> <li>• Orthognathic surgery</li> <li>• Cosmetic Maxillofacial Surgery</li> <li>• Non-maxillofacial and oral surgical procedures</li> <li>• Principles of research</li> <li>• Basic medical-legal principles.</li> </ul>

<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	600	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	1400	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	1000		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>3100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Maxillofacial and Oral Surgery
<b>Generic Module Name</b>	Maxillofacial and Oral Surgery 813
<b>Alpha-numeric Code</b>	<b>MFO813</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (MFOS) (5811)
<b>Year level</b>	3
<b>Main Outcomes</b>	On completion of this module, student should be able to: <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of Maxillofacial and Oral Surgery.</li> <li>• Utilize information technology to access appropriate information on Maxillofacial and Oral Surgery.</li> <li>• Examine, diagnose and manage a Maxillofacial and Oral Surgical patient.</li> <li>• Examine, manage and refer a complex surgical patient.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Dento-alveolar surgery</li> <li>• Implantology</li> <li>• Trauma surgery</li> <li>• Surgical pathology</li> <li>• Oral medicine</li> <li>• Infections</li> <li>• Applied pharmacology</li> <li>• Maxillofacial radiology and imaging</li> <li>• TMJ and Facial Pain</li> <li>• Local anaesthesia, sedation, pain control</li> <li>• Pre-prosthetic surgery</li> </ul>

	<ul style="list-style-type: none"> <li>• Maxillofacial prosthetic surgery</li> <li>• Cleft deformities</li> <li>• Craniofacial surgery</li> <li>• Reconstructive surgery</li> <li>• Microsurgery</li> <li>• Orthognathic surgery</li> <li>• Cosmetic Maxillofacial Surgery</li> <li>• Non-maxillofacial and oral surgical procedures</li> <li>• Principles of research</li> <li>• Basic medical-legal principles.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	600	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	1400	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	1000		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>3100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Maxillofacial and Oral Surgery
<b>Generic Module Name</b>	Maxillofacial and Oral Surgery 814
<b>Alpha-numeric Code</b>	<b>MFO814</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	100
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS (MFOS) (5811)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of Maxillofacial and Oral Surgery.</li> <li>• Utilize information technology to access appropriate information on Maxillofacial and Oral Surgery.</li> <li>• Examine, diagnose and manage a Maxillofacial and Oral Surgical patient.</li> <li>• Examine, manage and refer a complex surgical patient.</li> </ul>

<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Dento-alveolar surgery</li> <li>• Implantology</li> <li>• Trauma surgery</li> <li>• Surgical pathology</li> <li>• Oral medicine</li> <li>• Infections</li> <li>• Applied pharmacology</li> <li>• Maxillofacial radiology and imaging</li> <li>• TMJ and Facial Pain</li> <li>• Local anaesthesia, sedation, pain control</li> <li>• Pre-prosthetic surgery</li> <li>• Maxillofacial prosthetic surgery</li> <li>• Cleft deformities</li> <li>• Craniofacial surgery</li> <li>• Reconstructive surgery</li> <li>• Microsurgery</li> <li>• Orthognathic surgery</li> <li>• Cosmetic Maxillofacial Surgery</li> <li>• Non-maxillofacial and oral surgical procedures</li> <li>• Principles of research</li> <li>• Basic medical-legal principles.</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	750	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	0			
<i>Selfstudy:</i>	100			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>1000</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

  

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Maxillofacial and Oral Surgery
<b>Generic Module Name</b>	Maxillofacial and Oral Surgery 815
<b>Alpha-numeric Code</b>	<b>MFO815</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	100
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters

<b>Programmes in which the module will be offered</b>	MDS/MChD (MFOS) (5811)		
<b>Year level</b>	5		
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of Maxillofacial and Oral Surgery.</li> <li>• Utilize information technology to access appropriate information on Maxillofacial and Oral Surgery.</li> <li>• Examine, diagnose and manage a Maxillofacial and Oral Surgical patient.</li> <li>• Examine, manage and refer a complex surgical patient.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Dento-alveolar surgery</li> <li>• Implantology</li> <li>• Trauma surgery</li> <li>• Surgical pathology</li> <li>• Oral medicine</li> <li>• Infections</li> <li>• Applied pharmacology</li> <li>• Maxillofacial radiology and imaging</li> <li>• TMJ and Facial Pain</li> <li>• Local anaesthesia, sedation, pain control</li> <li>• Pre-prosthetic surgery</li> <li>• Maxillofacial prosthetic surgery</li> <li>• Cleft deformities</li> <li>• Craniofacial surgery</li> <li>• Reconstructive surgery</li> <li>• Microsurgery</li> <li>• Orthognathic surgery</li> <li>• Cosmetic Maxillofacial Surgery</li> <li>• Non-maxillofacial and oral surgical procedures</li> <li>• Principles of research</li> <li>• Basic medical-legal principles.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	750	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	450	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	1650	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	1250		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>4100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Dept of Oral & Maxillofacial Pathology, NHLS Tygerberg Laboratories
<b>Module Topic</b>	Diagnostic Oral and Maxillofacial Pathology
<b>Generic Module Name</b>	Advance Oral and Maxillofacial Pathology for MSc (I) 811
<b>Alpha-numeric Code</b>	<b>MPO811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	30
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	Second Semester
<b>Programmes in which the module will be offered</b>	MSc (Oral Pathology) (5801)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module (with regard to epidemiological, clinical, radiological and aetio – pathological characteristics of dental, oral and systematic diseases and development abnormalities involving the oral and maxillofacial regions), students should be able to:</p> <ul style="list-style-type: none"> <li>• Provide a macroscopic description of all types of surgical specimens from these anatomical regions.</li> <li>• Describe and interpret the microscopic appearance of all types of diseased tissues and abnormalities of these anatomical regions.</li> <li>• Indicate the need for the application of various special laboratory techniques in oral and maxillofacial pathology; describe these techniques and evaluate the outcome of these tests.</li> <li>• Perform fine needle aspirations of the oral and maxillofacial regions and (trans-epithelial) brushings of the oral and oropharyngeal mucosae and prepare cytological smears.</li> <li>• Perform and interpret tissue imprints.</li> <li>• Interpret frozen sections of oral and maxillofacial specimens.</li> <li>• Communicate with clinical consultants and trainees to obtain more information relevant to the diagnostic process and/or to assist with the correct clinical management of their patients with oral and maxillofacial disease.</li> </ul>
<b>Main Content</b>	<p>The classification, pathogenesis, epidemiology, clinical, radiological, histological, molecular and cytological characteristics (where appropriate) of:</p> <ul style="list-style-type: none"> <li>• Development disorders of the oral and maxillofacial region</li> <li>• Developmental disorders and acquired abnormalities of teeth</li> </ul>

	<ul style="list-style-type: none"> <li>• Dental caries, gingivitis and periodontal diseases</li> <li>• Pulpal and periapical disease</li> <li>• Inflammatory jaw lesions</li> <li>• Bacterial, fungal infections, viral and protozoal diseases of the oral cavity and adjacent structures</li> <li>• Major soft tissue and peri-oral infections</li> <li>• Physical and chemical injuries</li> <li>• Infective and non-infective stomatitis including vesiculobullous diseases and ulcerative conditions</li> <li>• Dermatological diseases of the oral mucosa</li> <li>• White and red-blue oral mucosa lesions</li> <li>• Verrucal-papillary oral mucosa lesions</li> <li>• Pigmented lesions of the oral and perioral tissues</li> <li>• Benign mucosal swellings and tongue disorders</li> <li>• Soft tissue tumors and connective tissue lesions</li> <li>• Lymphoid lesions and haematological disorders</li> <li>• Oral precancer and cancer</li> <li>• Salivary gland tumours and diseases</li> <li>• Maxillary sinus pathosis</li> <li>• Metabolic, genetic and non-neoplastic jaw diseases</li> <li>• Major infections of bone</li> <li>• Cysts of the jaws and oral regions</li> <li>• Odontogenic tumours and tumour – like lesions/conditions</li> <li>• Non-odontogenic tumours of the jaws</li> <li>• Pathosis of the temporomandibular joints and periarticular tissues</li> <li>• Oral manifestations of systemic diseases</li> <li>• Cervical lymphadenopathy</li> <li>• Allergies and immunologic diseases</li> <li>• Immunodeficiency diseases</li> <li>• Facial and pain and neuromuscular diseases</li> </ul> <p><b>Histopathology laboratory procedures:</b></p> <ul style="list-style-type: none"> <li>• Trimming, embedding, fixation, routine and specializes histochemical staining of tissues, decalcification</li> <li>• Macro-and microscopic photography</li> </ul> <p><b>Special laboratory techniques:</b></p> <ul style="list-style-type: none"> <li>• Immunohistochemistry and immunofluorescence , flow cytometry, electron microscopy</li> </ul> <p><b>Molecular techniques:</b></p> <ul style="list-style-type: none"> <li>• PCR, cytogenetics, in situ hybridization</li> </ul> <p><b>Other diagnostic modalities:</b></p> <ul style="list-style-type: none"> <li>• Frozen sections and tissue imprints</li> <li>• Fine needle aspiration and (transepithelial) brushings</li> <li>• Observation of consultants during the on –site interpretation of these diagnostic techniques.</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	70	Lectures p.w.	0	
Assignments & tasks:	30	Practicals p.w.	0	
Practicals:	100	Tutorials p.w.	0	
Assessments:	0			
Selfstudy:	100			
Other:	0			
<b>Total Learning Time</b>	<b>300</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Dept of Oral & Maxillofacial Pathology, NHLS Tygerberg Laboratories
<b>Module Topic</b>	Diagnostic Oral and Maxillofacial Pathology
<b>Generic Module Name</b>	Advanced Oral and Maxillofacial Pathology for MSc II
<b>Alpha-numeric Code</b>	<b>MPO812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Oral Pathology) (5801)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Expertly describe the macroscopic appearances of all types of surgical specimens from these anatomical regions and the dissection of these in preparation for microscopic and the ancillary studies.</li> <li>• Comprehensively describe the microscopic appearances of all types of diseased tissues and abnormalities of these anatomical regions.</li> <li>• Identify the need for and proficiently apply various special laboratory techniques in oral and maxillofacial pathology and evaluate the outcome of these investigations.</li> <li>• Confidently prepare cytological smears from fine needle aspirations and (transepithelial) brushings, tissue imprints and frozen sections of oral and maxillofacial lesions.</li> <li>• Correctly interpret the outcomes of the above diagnostic techniques.</li> <li>• Apply diagnostic information in the clinical management and research investigation of patients with oral and maxillofacial diseases by means of efficient and purposeful interactions with investigators.</li> </ul>

	<ul style="list-style-type: none"> <li>• Assist clinical and research investigators with tissue sampling and provide the explanation of the implications of any rendered pathology diagnosis.</li> <li>• Identify and evaluate recent advances and controversies in diagnostic and investigative oral and maxillofacial pathology.</li> <li>• Perform the managerial, technical and procedural skills required for the academic practice of oral &amp; maxillofacial pathology.</li> <li>• Provide a rationale for the importance of ensuring that laboratory practices and test selection are regularly evaluated to determine that they meet the needs of the community and research.</li> <li>• Provide a rationale for their participation as a member of the interdisciplinary team in the delivery of appropriate oral and general healthcare services, including respect for the other members of the health team.</li> <li>• Defend to the public the importance and contribution of the discipline of oral pathology.</li> <li>• Teach and conduct research in this discipline.</li> </ul>
<b>Main Content</b>	<p>Diagnostic surgical pathology including the classification, pathogenesis, epidemiology, clinical, radiological, histological, molecular and cytological characteristics (where appropriate) of:</p> <ul style="list-style-type: none"> <li>• Developmental disorders of the oral and maxillofacial region</li> <li>• Developmental disorders and acquired abnormalities of teeth</li> <li>• Dental caries, gingivitis and periodontal diseases</li> <li>• Pulpal and periapical disease</li> <li>• Inflammatory jaw lesions</li> <li>• Bacterial, fungal infections, viral and protozoal diseases of the oral cavity and adjacent structures</li> <li>• Major soft tissue and peri-oral infections</li> <li>• Physical and chemical injuries</li> <li>• Infective and non-infective stomatitis including vesiculo-bullous diseases and ulcerative conditions</li> <li>• Dermatological diseases of the oral mucosa</li> <li>• White and red-blue oral mucosa lesions</li> <li>• Verrucal-papillary oral mucosa lesions</li> <li>• Pigmented lesions of the oral and perioral tissues</li> <li>• benign mucosal swellings and tongue disorders</li> <li>• Soft tissue tumors and connective tissue lesions</li> <li>• Lymphoid lesions and haematological disorders</li> <li>• Oral precancer and cancer</li> <li>• Salivary gland tumours and diseases</li> <li>• Maxillary sinus pathosis</li> <li>• Metabolic, genetic and non-neoplastic jaw diseases</li> <li>• Major infections of bone</li> <li>• Cysts of the jaws and oral regions</li> <li>• Odontogenic tumours and tumour-like lesions/conditions</li> <li>• Non-odontogenic tumours of the jaws</li> </ul>

	<ul style="list-style-type: none"> <li>• Pathosis of the temporomandibular joints and periarticular tissues</li> <li>• Oral manifestations of systemic diseases</li> <li>• Cervical lymphadenopathy</li> <li>• Allergies and immunologic diseases</li> <li>• Facial pain and neuromuscular diseases</li> </ul> <p><b>Histo- and cyto-pathology laboratory procedures:</b></p> <ul style="list-style-type: none"> <li>• Trimming, embedding, fixation, routine and specialised histochemical staining of tissues, decalcification,</li> <li>• Cytospins, liquid-based cytology preparation, cell blocks, routine and special staining of cytology samples</li> <li>• macro- and microscopic photography</li> </ul> <p><b>Special laboratory techniques:</b></p> <ul style="list-style-type: none"> <li>• immunohistochemistry and immunofluorescence, flow cytometry, electron microscopy,</li> <li>• Molecular techniques:</li> <li>• PCR, cytogenetics, in situ hybridization</li> </ul> <p><b>Other diagnostic modalities:</b></p> <ul style="list-style-type: none"> <li>• Frozen sections and tissue imprints</li> <li>• Fine needle aspiration and (transepithelial) brushings</li> <li>• Observation of consultants during the on-site interpretation of these diagnostic techniques</li> <li>• Laboratory management including safety and accreditation issues.</li> <li>• The place of Oral Pathology in health care including screening and prevention of oral diseases.</li> <li>• Ethical and moral issues pertinent to Oral Pathology.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	80	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	70	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	300	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	30		
<i>Selfstudy:</i>	120		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Oral Medicine IA
<b>Generic Module Name</b>	Oral Medicine 811
<b>Alpha-numeric Code</b>	<b>OMD811</b>
<b>NQF Level</b>	9

NQF Credit Value	70			
Duration	Year			
Proposed semester to be offered	Both Semesters			
Programmes in which the module will be offered	MSc (Oral Medicine) (5807)			
Year level	1			
Main Outcomes	On completion of this module, students should be able to: <ul style="list-style-type: none"><li>• Give account of and report on the oral medicine cases examined, diagnosed and managed in the oral medicine clinics by the postgraduate student under supervision of the specialist supervisor.</li><li>• Give an in-depth account of recent literature, if any, pertaining to these oral medicine cases examined and treated or being managed during this year.</li><li>• Document oral medicine cases in a prescribed way and keep records of these cases in a logbook.</li></ul>			
Main Content	<ul style="list-style-type: none"><li>• The Language of Oral Medicine</li><li>• Attendance of oral medicine clinics at different sites at allocated times</li><li>• Examination, diagnosis, management and referring if necessary, of patients with oral medicine problems under supervision of a specialist supervisor</li><li>• Familiarization with record keeping and documenting cases in a logbook.</li></ul>			
Pre-requisite modules	None			
Co-requisite modules	None			
Prohibited module Combination	None			
Breakdown of Learning Time	Hours	Timetable Requirement per week	Other teaching modes that does not require time-table	
Contact with lecturer / tutor:	50	Lectures p.w.	0	Seminar and journal discussions
Assignments & tasks:	70	Practicals p.w.	4	
Practicals:	460	Tutorials p.w.	1	
Assessments:	20			
Selfstudy:	100			
Other:	0			
Total Learning Time	700			
Methods of Student Assessment	Continuous Assessment (CA): 40% Final Assessment (FA): 60%			
Assessment Module type	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine & Periodontology
<b>Module Topic</b>	Oral Medicine 1B
<b>Generic Module Name</b>	Oral Medicine 821
<b>Alpha-numeric Code</b>	<b>OMD821</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	35

<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MSc (Oral Medicine & Periodontology) (5807)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should, with regard to the specific content outlined below, be able to:</p> <ul style="list-style-type: none"> <li>• Discuss in detail oral mucosal diseases that are prevalent in the oral cavity.</li> <li>• Provide a detailed explanation of the mechanisms of disease.</li> <li>• Competently manage and treat common oral mucosal lesions.</li> <li>• Recognize oral manifestations of dermatological, haematological and nutritional diseases.</li> <li>• Evaluate a patient's response to treatment and record the changes that are observed.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Histology of the various oral mucosae</li> <li>• Pigmented lesions of the oral mucosa</li> <li>• Oral Premalignancy</li> <li>• Red and white lesions of the oral mucosa</li> <li>• Tongue disorders</li> <li>• HIV/AIDS</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	120	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	130	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	40		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>350</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 40% Final Assessment (FA): 60%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine & Periodontology
<b>Module Topic</b>	Oral Medicine 2B
<b>Generic Module Name</b>	Oral Medicine 822
<b>Alpha-numeric Code</b>	<b>OMD822</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	40

<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MSc (Oral Medicine and Periodontology) (5807)		
<b>Year level</b>	2		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Discuss in detail oral mucosal diseases that are prevalent in the oral cavity.</li> <li>• Provide a detailed explanation of the mechanisms of disease.</li> <li>• Competently manage and treat common oral mucosal lesions.</li> <li>• Recognize oral manifestations of dermatological, haematological and nutritional diseases.</li> <li>• Evaluate a patient's response to treatment and record the changes that are observed.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Red and white lesions of the oral mucosa</li> <li>• Oral cancer</li> <li>• Dermatological lesions with oral manifestations</li> <li>• Diagnostic aspect of various diseases and special investigations</li> <li>• Vesiculo-bullous diseases</li> <li>• Oral manifestations of immunological disorders</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	120	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	150	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	70		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>400</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 40% Final Assessment (FA): 60%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

  

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Oral Medicine and Periodontics, including Implantology 1
<b>Generic Module Name</b>	Oral Medicine and Periodontics, including Implantology 811
<b>Alpha-numeric Code</b>	<b>OMP811</b>
<b>NQF Level</b>	9

<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (OM&P) (5811)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p><b>Oral Medicine</b></p> <p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Give account of and report on the oral medicine cases examined, diagnosed and managed in the oral medicine clinics by the postgraduate student under supervision of the specialist supervisor</li> <li>• Give an in-depth account of recent literature, if any, pertaining to these oral medicine cases examined and treated or being managed during this year.</li> <li>• Document oral medicine cases in a prescribed way and keep records of these cases in a logbook.</li> </ul> <p><b>Periodontics and Implantology</b></p> <ul style="list-style-type: none"> <li>• Discuss in-depth the composition of dento-gingival bacterial biofilms, its growth and composition.</li> <li>• Discuss the literature pertaining to the relationship of plaque to inflammatory periodontal disease and its role in the aetiology of all clinical variants of gingivitis and periodontitis.</li> <li>• Explain the aetiology, pathogenesis, clinical features and diagnosis of chronic and acute forms of gingivitis, chronic periodontitis and all forms of aggressive periodontitis.</li> <li>• Discuss the relationship between these diseases and systemic conditions or diseases.</li> <li>• Discuss the literature and clinical practice pertaining to oral hygiene, plaque control and root planning in the management of gingivitis and periodontal diseases; comprehensive clinical examination; diagnosis and treatment planning for moderate to severe cases of periodontal disease.</li> <li>• Fully document cases by means of clinical, radiographic and modelled records.</li> <li>• Assist in the management of advanced cases treated by specialists in the department.</li> </ul>
<b>Main Content</b>	<p><b>Oral Medicine</b></p> <p>The Language of Oral Medicine:</p> <ul style="list-style-type: none"> <li>• Attendance of oral medicine clinics at different sites at allocated times</li> <li>• Examination, diagnosis, management and referring if necessary, of patients with oral medicine problems under supervision of a specialist supervisor</li> <li>• Familiarization with record keeping and documenting cases in a logbook.</li> </ul>

	<b>Periodontics and Implantology</b> Topics to be covered during seminars: <ul style="list-style-type: none"> <li>• Current classification of diseases and conditions affecting the periodontium</li> <li>• Epidemiology of periodontal diseases</li> <li>• Aetiology and pathogenesis of plaque-related periodontal diseases</li> <li>• Clinical diagnosis and radiographic aids in the diagnosis of periodontal diseases, including advanced diagnostic techniques</li> <li>• Genetic factors associated with periodontal diseases</li> <li>• Influence of systemic disease and disorders on the periodontium</li> <li>• Influence of periodontal disease on the health of the patient</li> <li>• Risk assessment</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	5
<i>Practicals:</i>	250	<i>Tutorials p.w.</i>	2
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	100		
<i>Other:</i>	50		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 75% Final Assessment (FA): 25%		
<b>Assessment Module type</b>	Continuous Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Oral Medicine and Periodontics, including Implantology 2
<b>Generic Module Name</b>	Oral Medicine and Periodontics, including Implantology 812
<b>Alpha-numeric Code</b>	<b>OMP812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	80
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (OM&P) (5811)
<b>Year level</b>	2

<b>Main Outcomes</b>	<b>Oral Medicine</b> On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Perform biopsies of mucosal lesions and explain the aetiology, pathogenesis and management of such conditions.</li> <li>• Discuss these conditions with the patients and if necessary, be able to counsel them.</li> <li>• Describe the laboratory procedures used in the preparations of histopathologic specimens and be able to execute such procedures.</li> </ul> <b>Periodontics and Implantology</b> Discuss and execute the following procedures: <ul style="list-style-type: none"> <li>• Gingivectomy and gingivoplasty.</li> <li>• Modified Widman flap.</li> <li>• Apically positioned flap.</li> <li>• Coronally positioned flap.</li> <li>• Mucogingival surgery.</li> <li>• Root resecting / hemisecting.</li> <li>• Regeneration procedures.</li> </ul>
<b>Main Content</b>	<b>Oral Medicine</b> <ul style="list-style-type: none"> <li>• Attendance of oral medicine clinics at the different sites at allocated times</li> <li>• Examination, diagnosis, management or referral, if necessary, of patients with oral medicine problems under supervision of a specialist supervisor</li> <li>• Attendance of oral medicine seminars on the following topics: <ul style="list-style-type: none"> <li>• Normal oral mucosae: Structure and Physiology</li> <li>• Normal oral mucosae: Immunobiology</li> <li>• Salivary glands in health and disease</li> <li>• HIV/AIDS in dentistry; including oral mucosal markers of AIDS</li> <li>• Immuno-modulated lesions of the oral mucosa</li> <li>• Current literature in the field. Publications reviewed by the student, include: <ul style="list-style-type: none"> <li>• Oral Surgery, Oral Medicine and Oral Pathology</li> <li>• Journal of Oral Pathology and Medicine.</li> </ul> </li> </ul> </li> </ul> <b>Periodontics and Implantology</b> <ul style="list-style-type: none"> <li>• Topics to be covered during seminars: <ul style="list-style-type: none"> <li>• Treatment planning and prognosis</li> <li>• Rationale for periodontal treatment</li> <li>• Periodontal treatment for the medically compromised patient</li> <li>• Plaque control for the periodontal patient</li> <li>• Scaling and root planning, including healing of tissues</li> <li>• Antimicrobials and antiseptics in the treatment of periodontal diseases</li> <li>• Occlusal evaluation and therapy in the management of periodontal disease</li> <li>• The role of orthodontics as an adjunct to periodontal therapy</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Current literature in the field. During weekly sessions the student has to present short summaries of articles from the latest selected journals. Publications reviewed by the student include:</li> <li>• Journal of Periodontology</li> <li>• Journal of Clinical Periodontology</li> <li>• Journal of Periodontal Research</li> <li>• Perio 2000</li> <li>• International Journal of Oral and Maxillofacial Implants</li> <li>• Articles in other journals which the candidate deems relevant and worthy of review.</li> </ul> <p><b>Teaching</b> The student is responsible for preparing and giving lectures to undergraduate dental and oral hygiene students on the theory and practice of:</p> <ul style="list-style-type: none"> <li>• Clinical examination</li> <li>• Diagnosis</li> <li>• Treatment planning</li> <li>• Management of the compromised patient by scaling and root planning</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	150	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	150	<i>Practicals p.w.</i>	5
<i>Practicals:</i>	300	<i>Tutorials p.w.</i>	2
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	150		
<i>Other:</i>	50		
<b>Total Learning Time</b>	<b>800</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Oral Medicine and Periodontics, including Implantology 3
<b>Generic Module Name</b>	Oral Medicine and Periodontics, including Implantology 813
<b>Alpha-numeric Code</b>	<b>OMP813</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	100
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters

<b>Programmes in which the module will be offered</b>	MDS/MChD (OM&P) (5811)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p><b>Oral medicine</b></p> <p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Demonstrate advanced competence in outcomes for modules I and II.</li> <li>• Discuss the close relationship between certain intra-oral lesions to some dermatological problems after spending some time in the department of dermatology of an associated medical faculty on a rotational basis.</li> <li>• Describe the advanced treatment of malignant conditions of the head and neck region, after spending some time in the department of oncology of an associated medical faculty on a rotational basis.</li> </ul> <p><b>Periodontics and Implantology</b></p> <ul style="list-style-type: none"> <li>• Manage periodontal cases of increasing complexity which will include the following procedures and also be able to discuss the theory of: guided tissue regeneration, implant therapy and augmentation procedures.</li> <li>• Discuss the indications and contra-indications of implant placement and discuss/describe the indications and contra-indications of different implant systems.</li> <li>• Interact confidentially with clinicians in other clinical departments, especially prosthodontics, oral surgery, endodontics and orthodontics in more comprehensive treatment of patients.</li> </ul>
<b>Main Contents</b>	<p><b>Oral Medicine</b></p> <ul style="list-style-type: none"> <li>• Attendance of oral medicine clinics including rotation in the departments of dermatology and oncology in the associated medical faculties at their respective academic hospitals</li> <li>• Topics to be discussed during regular seminars:</li> <li>• Bacterial and fungal infections of the oral cavity</li> <li>• Keratotic lesions, white / red lesions of the oral mucosa and premalignant conditions</li> <li>• Neoplastic and exophytic lesions of the oral mucosa and lips</li> <li>• Pigmented lesions of the skin and oral mucosa</li> <li>• Diseases of the tongue, including the burning mouth syndrome</li> <li>• Systemic diseases of concern to the Specialist in Oral Medicine and Periodontics.</li> </ul> <p><b>Periodontics and Implantology</b></p> <ul style="list-style-type: none"> <li>• The student attends and participates at weekly seminars/ tutorials encompassing the following topics:</li> <li>• Surgical anatomy of the periodontium and related structures</li> <li>• General principles of periodontal surgery and open curettage</li> <li>• Periodontal surgery for pocket reduction</li> </ul>

	<ul style="list-style-type: none"> <li>Periodontal regenerative procedures, including materials and healing</li> <li>Periodontal plastic and aesthetic procedures</li> <li>Biological aspects of dental implants, including osseointegration.</li> </ul> <b>Teaching</b> <ul style="list-style-type: none"> <li>The student will assist in the didactic and clinical teaching of undergraduate students and supervise these students in the practical aspects of periodontal therapy.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	200	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	200	<i>Practicals p.w.</i>	5
<i>Practicals:</i>	350	<i>Tutorials p.w.</i>	2
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	200		
<i>Other:</i>	50		
<b>Total Learning Time</b>	<b>1000</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Oral Medicine and Periodontics, including Implantology 4
<b>Generic Module Name</b>	Oral Medicine and Periodontics, including Implantology 814
<b>Alpha-numeric Code</b>	<b>OMP814</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	80
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (OM&P) (5811)
<b>Year level</b>	4
<b>Main Outcomes</b>	<b>Oral Medicine</b> On completion of this module, student should be able to: <ul style="list-style-type: none"> <li>Demonstrate advance competence in outcomes for modules I, II and III, to practice independently as a specialist in Oral Medicine.</li> <li>Demonstrate fully documented oral medicine cases as a portfolio, with histopathological reports, where applicable, for presentation to all examiners.</li> </ul>

	<b>Periodontics and Implantology</b> <ul style="list-style-type: none"> <li>• Demonstrate advance competence in outcomes for modules I, II and III, to practice independently as a specialist in Periodontics.</li> <li>• Present a logbook and portfolio of comprehensively documented cases for presentation to all examiners.</li> </ul>		
<b>Main Content</b>	<b>Oral Medicine</b> <ul style="list-style-type: none"> <li>• Attendance of oral medicine clinics</li> <li>• Reviewing current literature in the field</li> <li>• Topics to be discussed during seminars:</li> <li>• The medically compromised/complex patient</li> <li>• Oro-facial pain.</li> </ul> <b>Periodontics and Implantology</b> <ul style="list-style-type: none"> <li>• Reviewing current literature in the field</li> <li>• Topics to be covered during seminars:</li> <li>• Surgical aspects of dental implants</li> <li>• Advanced implant surgery – bone grafting techniques and other augmentation and regenerative procedures</li> <li>• Diagnosis and treatment of peri-implant complications</li> <li>• Periodontal-restorative interrelationship</li> <li>• Supportive periodontal treatment.</li> </ul> <b>Teaching</b> <ul style="list-style-type: none"> <li>• The student continues to participate in the teaching of undergraduate dental and oral health students by giving lectures and holding regular tutorials.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	350	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	200		
<i>Other:</i>	50		
<b>Total Learning Time</b>	<b>800</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostic cluster
<b>Module Topic</b>	Oral Biology
<b>Generic Module Name</b>	Oral Biology 811
<b>Alpha-numeric Code</b>	<b>ORB811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Semester

<b>Proposed semester to be offered</b>	Second Semester		
<b>Programmes in which the module will be offered</b>	MSc (Forensic Dentistry) (5807); MSc (Oral Medicine) (5807); MSc (Periodontology) (5807); MSc (Oral Pathology) (5807); MSc (Paediatric Dentistry) (5801); MSc (Restorative Dentistry) (5801); MDS/MChD (MFOS) (5811); MDS/MChD (OM&P) (5811); MDS/MChD (Oral Pathology) (5881)		
<b>Year level</b>	1 or 2		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain and predict the development and clinical genetics of the oral cavity and related structures.</li> <li>• Describe and illustrate the normal macroscopic, microscopic and molecular features of the oral cavity and related structures.</li> <li>• Deduce the relationships between structure and functions of all the soft and hard tissue of the oral – facial complex.</li> <li>• Explain the application of all the above on clinical dentistry.</li> </ul>		
<b>Main Content</b>	<p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>• General craniofacial embryology and structure</li> <li>• Bone</li> <li>• Cytoskeleton, junctions, fibroblasts and extracellular matrix</li> <li>• Odontogenesis and microscopic structure of dental tissue</li> <li>• The periodontium</li> <li>• Tooth eruption</li> <li>• The sensitivity of teeth</li> <li>• The Oral mucosa</li> <li>• The salivary glands and saliva</li> <li>• The temporomandibular joint (tmj)</li> <li>• Lymphoid structures of the oral cavity</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	45	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	3
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	55		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostic Sciences
<b>Module Topic</b>	Oral Biology with Anatomy and Physiology
<b>Generic Module Name</b>	Oral Biology with Anatomy and Physiology 821
<b>Alpha-numeric Code</b>	<b>ORB821</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	30
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811) MDS/MChD (Prosthodontics) (5811)
<b>Year level</b>	1
<b>Main Outcome</b>	<p><b>Oral Biology</b></p> <p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe and draw the embryological development and functioning of the nervous system.</li> <li>• Describe and draw the embryological development and structure of the face, the jaws, the mouth and its contents, and the structures/organs associated with the normal functions of the oral cavity.</li> <li>• Describe the submicroscopic and microscopic events in tooth formation, as well as the microscopic features, physical characteristics and physiological behaviour of tooth material and the periodontium.</li> </ul> <p><b>Anatomy</b></p> <ul style="list-style-type: none"> <li>• Describe and draw the bony structures of the head and neck area.</li> <li>• Describe and draw the masticatory and facial muscles.</li> <li>• Describe the process of swallowing.</li> <li>• Describe the salivary glands.</li> <li>• Describe and draw the temporomandibular joint.</li> <li>• Describe the nerve and blood supply of the mouth and all related structures.</li> <li>• Lymphatic system of head and neck.</li> </ul> <p><b>Physiology</b></p> <ul style="list-style-type: none"> <li>• Describe non-specific and specific immunological defence reactions, allergy and atopy.</li> <li>• Describe the processes involved in bone density: Ca and P homeostasis.</li> <li>• Describe the physiology of ageing.</li> <li>• Describe the physiologic process that take place during healing.</li> <li>• Describe the actions of the skeletal muscle.</li> <li>• Describe production, secretion and different types of saliva.</li> <li>• Explain the sensation of pain</li> </ul>
<b>Main Content</b>	<p>The following topics will be covered:</p> <p><b>Oral Biology</b></p> <ul style="list-style-type: none"> <li>• Applied embryological development (nervous system, the face, the jaws, paranasal sinuses, the mouth and</li> </ul>

	<p>associated structures), and relevant congenital abnormalities</p> <ul style="list-style-type: none"> <li>Functioning of both the somatic and autonomic nervous systems; cranial nerves with particular emphasis on the trigeminal, facial, glossopharyngeal, vagus and hypoglossal nerves and the structures innervated</li> <li>Development, structure and clinical behaviour of the teeth, tooth pulp, periodontium and oral mucous membrane</li> <li>Development, and macro- and microscopic structure of salivary glands</li> <li>Properties and functions of saliva, including the secretomotor nerve supply</li> <li>Sensitivity of the teeth and neural pathways involved</li> <li>Tooth eruption and clinical implications thereof</li> <li>Temporomandibular joint, mastication, deglutition and taste.</li> </ul> <p><b>Anatomy</b></p> <ul style="list-style-type: none"> <li>Anatomy of head and neck (osteology, muscles, cranial nerves 5, 7, 8, 9, 11, 12, blood circulation, lymphatic system, salivary glands, alveolar process, teeth).</li> </ul> <p><b>Physiology</b></p> <ul style="list-style-type: none"> <li>Principles of immunology: Non-specific immunological defence. Specific immunological defence. Allergy and atopy</li> <li>Calcium and phosphate homeostasis, bone metabolism</li> <li>Healing</li> <li>Ageing</li> <li>Skeletal muscle</li> <li>Pain</li> <li>Saliva</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	60	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	170		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>300</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Depts of Oral Microbiology, UWC and Microbiology, NHLS Tygerberg Business Unit/University of Stellenbosch
<b>Module Topic</b>	Oral Microbiology & Immunology
<b>Generic Module Name</b>	Oral Microbiology & Immunology 813
<b>Alpha-numeric Code</b>	<b>ORM813</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	MDS/MChD (Oral Pathology) (5811) MSc (Oral Pathology) (5807)
<b>Year level</b>	2 or 3
<b>Main Outcome</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Classify microorganisms and describe the salient characteristics.</li> <li>• Explain the principles of immunology, and their clinical application.</li> <li>• Explain the significance of specific microbes, fungi, viruses and parasites of relevance to dentistry/oral diseases; and explain the specific oral defence mechanisms of each.</li> <li>• Explain the laboratory techniques used in identification of oral pathogens.</li> <li>• Describe the oral ecology and oral microflora and explain dental plaque formation.</li> <li>• Explain the microbiology and immunology of dental caries and periodontal disease.</li> <li>• Identify and describe dento-alveolar, oral mucosal and salivary gland infections.</li> <li>• Explain the oral implications of systemic infections and of infection in compromised patients.</li> <li>• Explain the pathways of cross-infection.</li> <li>• Explain the mechanisms of antimicrobial prophylaxis.</li> <li>• Explain the principles of infection control, describe and practice appropriate infection control procedures.</li> <li>• Integrate oral microbiology and immunology with oral pathology.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Bacterial structure and taxonomy</li> <li>• Bacterial physiology and genetics</li> <li>• Viral structure, taxonomy and replication</li> <li>• Pathogenesis of microbial disease</li> <li>• Diagnostic microbiology</li> <li>• Laboratory methods</li> <li>• Antimicrobial chemotherapy</li> <li>• The immune system and response</li> <li>• Immunity and infection</li> <li>• Normal oral flora, oral ecosystem and dental plaque</li> <li>• Bacteria, viruses, fungi, and parasites of relevance to dentistry and oral disease</li> </ul>

	<ul style="list-style-type: none"> <li>• Microbiology of dental caries</li> <li>• Microbiology of periodontal disease</li> <li>• Dento-alveolar infections</li> <li>• Oral mucosal infections</li> <li>• Salivary gland infections</li> <li>• Skin and wound infections</li> <li>• Infections in compromised patients</li> <li>• Human Immunodeficiency Virus infection and the</li> <li>• Acquired Immune Deficiency Syndrome</li> <li>• Viral hepatitis</li> <li>• Tuberculosis</li> <li>• Sterilisation and disinfection.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	25	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	60		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous and Final Assessment		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Dept of Anatomy, University of Stellenbosch
<b>Module Topic</b>	Histology for Anatomical Pathology
<b>Generic Module Name</b>	Histology for Anatomical Pathology 811
<b>Alpha-numeric Code</b>	<b>ORP811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Term
<b>Proposed semester to be offered</b>	Second Term
<b>Programmes in which the module will be offered</b>	MDS/MChD (Oral Pathology) (5881)
<b>Year level</b>	1
<b>Main Outcome</b>	<p>On completion of this module, students should be able to: Describe the basic cell structure, histomorphology and variations thereof and functions of:</p> <ul style="list-style-type: none"> <li>• Epithelial tissues and other ectodermal structures including the integumentary system (skin), glandular</li> </ul>

	<p>and digestive organs, mucosa and linings of the respiratory, digestive and genito-urinary systems.</p> <ul style="list-style-type: none"> <li>• Connective tissues and other mesodermal tissues including the musculo-skeletal, neural, and cardio-vascular systems.</li> <li>• Tissues and organs of endodermal origin including the respiratory and digestive systems.</li> <li>• Highly specialised tissues such as the neuro-endocrine and others of neuro-ectodermal origin, haematopoietic, immune-lymphatic, sensory (eye, ear) and reproductive systems.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Basic Tissues and Integrated Cell Biology <ul style="list-style-type: none"> <li>Epithelium</li> <li>The cytoskeleton</li> <li>The cell nucleus</li> <li>Cytomembranes</li> <li>Cell signalling</li> <li>Connective tissue</li> <li>Adipose tissue</li> <li>Cartilage</li> <li>Bone</li> <li>Osteogenesis</li> <li>Blood and hematopoiesis</li> <li>Muscle tissue</li> <li>Nervous tissue</li> <li>Sensory organs: Vision and hearing</li> </ul> </li> <li>• Organ Systems: Protection of the body <ul style="list-style-type: none"> <li>Immune-lymphatic system</li> <li>The integumentary system</li> </ul> </li> <li>• Organ Systems: Blood circulatory systems <ul style="list-style-type: none"> <li>Cardiovascular system</li> <li>Respiratory system</li> <li>Urinary system</li> </ul> </li> <li>• Organ Systems: The alimentary system <ul style="list-style-type: none"> <li>Upper digestive system</li> <li>Lower digestive system</li> <li>Digestive glands</li> </ul> </li> <li>• Organ Systems: The endocrine system <ul style="list-style-type: none"> <li>The neuroendocrine system</li> <li>Endocrine system</li> </ul> </li> <li>• Organ Systems: The reproductive system <ul style="list-style-type: none"> <li>Spermatogenesis</li> <li>Sperm transport and maturation</li> <li>Follicle development and menstrual cycle</li> <li>Fertilization, placentation and lactation</li> </ul> </li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	60	Lectures p.w.	0	
Assignments & tasks:	25	Practicals p.w.	0	
Practicals:	0	Tutorials p.w.	0	
Assessments:	5			
Selfstudy:	60			
Other:	0			
<b>Total Learning Time</b>	<b>150</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%			
<b>Assessment Module type</b>	Final Assessment (FA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Dept of Oral & Maxillofacial Pathology, NHLS Tygerberg Business Unit
<b>Module Topic</b>	Diagnostic Oral and Maxillofacial Pathology for MChD
<b>Generic Module Name</b>	Maxillofacial Pathology 814/823
<b>Alpha-numeric Code</b>	<b>ORP814 &amp; ORP823</b>
<b>NQF Level</b>	8
<b>NQF Credit Value</b>	90 + 90
<b>Duration</b>	Year + Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (5811 & 5881)
<b>Year level</b>	8
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Advanced understanding and detailed factual knowledge of the clinical, radiological and pathological manifestations of dental, oral and systemic diseases and developmental abnormalities (at the systemic, cellular and molecular level) dental, oral, maxillofacial diseases and developmental abnormalities.</li> <li>In-depth understanding and knowledge in the clinical management of patients with oral and maxillofacial diseases enabling efficient and purposeful interaction with clinical colleagues and a full understanding of the implications of any rendered pathology diagnosis.</li> </ul> <p>The student will demonstrate the capacity to practice surgical Oral Pathology safely at a generalist level and be able to:</p> <ul style="list-style-type: none"> <li>Expertly describe the macroscopic appearances of all types of surgical specimens from these anatomical regions, properly dissect and sample these in preparation for microscopic and ancillary studies</li> <li>Accurately describe in detail the microscopic appearances of all types of diseased tissues and abnormalities of these anatomical regions in a manner appropriate to the experience of an oral pathologist</li> </ul>

	<ul style="list-style-type: none"> <li>• Describe the need for and proficiently apply various special laboratory techniques (such as macro- and microscopic photography, histochemistry, immunofluorescence, flow cytometry, immunohistochemistry, electron microscopy and molecular pathology) in oral and maxillofacial pathology and dental abnormalities and properly evaluate the outcome of these investigations</li> <li>• Give a competent diagnostic opinion (with differentials where necessary) based on the above investigations and correctly classify the disease(s) in question</li> <li>• Competently prepare cytological smears, tissue imprints and frozen sections of oral &amp; maxillofacial lesions, and provide on-site interpretation of these diagnostic modalities</li> <li>• Apply this knowledge in the clinical management of patients with oral and maxillofacial diseases by means of efficient and purposeful interactions with clinicians in assisting them with tissue sampling and fully explaining the implications of any rendered pathology diagnosis.</li> <li>• Discuss recent advances and controversies in oral pathology</li> </ul> <p>The student will be also able to demonstrate:</p> <ul style="list-style-type: none"> <li>• Adequate managerial, technical and procedural skills required for the independent practice of Oral Pathology</li> <li>• Reasonable experience in undergraduate and continued professional education in oral pathology by being able to develop appropriate learning objectives, to prepare and utilise a variety of suitable teaching methods (e.g. presentations and lectures) and to measure outcomes.</li> <li>• A loyal and ethically accountable disposition towards the profession, patients and community</li> <li>• The commitment to act consistently within levels of competence and professional norms</li> <li>• A commitment to a life of continuing professional development</li> <li>• A profound respect for truth and intellectual integrity, and for the ethics of scholarship</li> <li>• An acknowledgement of the importance of the interdisciplinary team approach in the delivery of appropriate oral and general healthcare services and respect for the other members of the health team</li> <li>• A willingness for involvement and service within the broad community by contributing effectively to improved health of patients and communities</li> <li>• That, as member of an interdisciplinary team of professionals responsible for individual and population health care, the oral pathologist will endeavour to ensure that laboratory practices and test selection are regularly evaluated to determine that they meet the needs of the community</li> </ul>
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	<ul style="list-style-type: none"> <li>• A willingness to reinforce to the public and to the profession the essential contribution of laboratory medicine to health</li> <li>• An acknowledgment of the vital contribution of the allied health professions to comprehensive health care.</li> </ul>
<b>Main Content</b>	<p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>• Developmental Defects of the Oral and Maxillofacial Region</li> <li>• Abnormalities of Teeth</li> <li>• Dental Caries and Periodontal Diseases</li> <li>• Pulpal and Periapical Disease</li> <li>• Inflammatory Jaw Lesions</li> <li>• Bacterial, Fungal Infections, Viral and Protozoal Diseases of the Oral cavity and Adjacent Structures</li> <li>• Physical and Chemical Injuries</li> <li>• Allergies and Immunologic Diseases</li> <li>• Mucosal Vesiculo-Bullous Diseases and Ulcerative Conditions</li> <li>• White and Red-Blue Oral Mucosa Lesions</li> <li>• Verrucal-Papillary Lesions</li> <li>• Oral precancer and cancer</li> <li>• Dermatological Diseases of the Oral Mucosa</li> <li>• Pigmentations of Oral and Perioral Tissues</li> <li>• Jaw Bone Pathology</li> <li>• Metabolic and Genetic Jaw Diseases</li> <li>• Cysts of the Oral Regions</li> <li>• Odontogenic Tumours</li> <li>• Non-odontogenic tumours of the jaws</li> <li>• Salivary Gland Tumours and Diseases</li> <li>• Soft Tissue Tumors and Connective Tissue Lesions</li> <li>• Lymphoid Lesions and Haematological Disorders</li> <li>• Oral Manifestations of Systemic Diseases</li> <li>• Facial Pain and Neuromuscular Diseases</li> <li>• Epidemiology and Prevention of Oral Diseases</li> <li>• Diagnostic Surgical Histopathology and Cytopathology</li> <li>• Histopathology techniques and laboratory procedures</li> <li>• Molecular Pathology and Morphometry</li> <li>• Recent Advances and Controversies in Oral Pathology</li> <li>• The use of macro- and microscopic photography, decalcification, histochemistry, immunofluorescence, immunohistochemistry, flow cytometry, morphometry, electron microscopy and relevant molecular techniques (such as PCR, in situ hybridization and cytogenetic analysis) in diagnostic oral pathology.</li> <li>• Laboratory management including safety and accreditation issues</li> <li>• The place of Oral Pathology in health care including screening and prevention of oral diseases.</li> <li>• Ethical and moral issues pertinent to Oral Pathology.</li> </ul>
<b>Pre-requisite modules</b>	BDS and Clinical Registrar Position in Oral Pathology
<b>Co-requisite modules</b>	Oral Biology, Oral Microbiology and Immunology, Clinical Oral Pathology

<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>		<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100 + 100	<i>Lectures p.w.</i>	0	Assignments & tasks
<i>Assignments &amp; tasks:</i>	50 + 50	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	200 + 250	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	+ 14			
<i>Selfstudy:</i>	150 + 186			
<i>Other:</i>				
<b>Total</b>	<b>500 + 600</b>			
<b>Total Learning Time</b>	<b>1100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral & Maxillofacial Pathology
<b>Module Topic</b>	Academic Training
<b>Generic Module Name</b>	Academic Placement in Oral Pathology 815
<b>Alpha-numeric Code</b>	<b>ORP815</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Oral Pathology) (5807)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, with regard to Oral Pathology education, the student should be able to:</p> <ul style="list-style-type: none"> <li>• Participate in undergraduate, postgraduate and continuing professional development (CPD) programmes, outreach and other departmental educational activities.</li> <li>• Develop appropriate learning objectives for these various programmes.</li> <li>• Prepare and utilise a variety of suitable teaching methods (e.g. presentations, lectures and reviews).</li> <li>• Measure the outcomes of these programmes.</li> <li>• Contribute effectively to health research team activities.</li> <li>• Prepare research and case reports for presentation at a relevant local or national seminars/scientific meetings and clinico-pathological conferences.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Develop, prepare and deliver lectures, seminars and other learning activities at undergraduate and postgraduate levels</li> <li>• Administration (module coordination, assessment, planning, etc.)</li> </ul>

	<ul style="list-style-type: none"> <li>• Presentation of professional literature at Journal Clubs</li> <li>• Management problem solving tasks</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	20	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	30		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Dept of Anatomical Pathology, University of Stellenbosch
<b>Module Topic</b>	Human Molecular Biology and Pathology
<b>Generic Module Name</b>	Human Molecular Biology and Pathology 821
<b>Alpha-numeric Code</b>	<b>ORP821</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	MSc (Oral Pathology) (5801)
<b>Year level</b>	1
<b>Main Outcome</b>	<p>On completion of this module, students should be able to:            “On a need to know basis”, describe and relate to the pathogenesis of selected common and uncommon diseases:</p> <ul style="list-style-type: none"> <li>• Molecular and cell evolution.</li> <li>• Chromosome structure, gene expression, transcription and translation, and protein structure and function.</li> <li>• Cell nutrition and energy, membranes, receptors, adhesion molecules, and cytoskeletal proteins.</li> <li>• Cell signal transduction, hormones and cytokines, vasoactive mediators, and the cell cycle.</li> <li>• Development, metabolism, immunity, and neurobiology.</li> <li>• Molecular laboratory techniques.</li> </ul>
<b>Main Content</b>	<p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>• Biomolecular evolution</li> <li>• Chromatin and chromosome structure</li> </ul>

	<ul style="list-style-type: none"> <li>• Gene expression, transcription, translation and regulation</li> <li>• RNA processing and translation</li> <li>• Protein structure and function</li> <li>• Principles of nutrition and energy</li> <li>• Structure of cell membranes and receptors</li> <li>• Cell-surface receptors and antigen recognition</li> <li>• Adhesion molecules and the extracellular matrix</li> <li>• Cytoskeletal proteins and molecular motors</li> <li>• Signal transduction</li> <li>• Bioactive lipids and inflammatory cytokines</li> <li>• Hormones and growth factors</li> <li>• Haemopoietins, angiogenins and vasoactive mediators</li> <li>• Cell cycle control, apoptosis and ageing</li> <li>• Molecular basis of development, metabolism, blood, immunity and neurobiology</li> <li>• Genetic experimental systems and principles of molecular biology laboratory techniques</li> <li>• Gene and protein analysis, genetic engineering, gene mapping and gene testing</li> <li>• Gene therapy and recombinant DNA technology.</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	30	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	25	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	10			
<i>Selfstudy:</i>	35			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%			
<b>Assessment Module type</b>	Final Assessment (FA)			

  

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Dept of Anatomical Pathology, NHLS Tygerberg Business Unit/University of Stellenbosch
<b>Module Topic</b>	Anatomical Pathology, Cytopathology and Morbid Anatomy
<b>Generic Module Name</b>	Anatomical Pathology, Cytopathology and Morbid Anatomy 822
<b>Alpha-numeric Code</b>	<b>ORP822</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	90
<b>Duration</b>	Year

<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Oral Pathology) (5881)
<b>Year level</b>	2
<b>Main Outcome</b>	<p>On completion of this module, students should be able to:  In general surgical pathology, the trainee will have adequate knowledge, practical and interpretative skills demonstrated by:</p> <ul style="list-style-type: none"> <li>• A methodical and standardised approach to dealing with surgical pathology specimens.</li> <li>• The ability to accurately describe the macroscopic appearances of general surgical specimens submitted as biopsies or surgical resections, and to appropriately dissect and sample these specimens for microscopic examination.</li> <li>• A detailed knowledge and the ability to accurately describe and diagnose the microscopic features of diseased tissues. This will include all types of tissue and all types of disease appropriate to the intermediate experience of a general anatomical pathology trainee.</li> <li>• Competent skills to determine the need for application and to evaluate the outcome of various relevant techniques in surgical pathology such as macro- and microscopic photography, bony tissue decalcification, histochemistry, immunofluorescence, flow cytometry, immunohistochemistry, electron microscopy and molecular pathology.</li> <li>• The ability to cut, stain and evaluate frozen sections in the laboratory and on site.</li> <li>• A lucid style of reporting including appropriate observations and conclusions, appropriate amount of detail, and an indication of the degree of confidence with which any suggested diagnosis is made and placed in the context of the clinical presentation of the pathosis or information received thereof. Students should be able to use proformas for minimum dataset cancer reporting.</li> <li>• Understanding of information technology sufficient to be able to use computers and network/internet services for producing pathology reports and laboratory statistics.</li> <li>• Sufficient technical knowledge of tissue fixation and processing, the cutting and staining of histological sections (including special techniques such as electron microscopy, immunohisto- and cyto-chemistry, and molecular pathology) to be able to interact appropriately with colleagues and laboratory staff over those technical aspects for which they are responsible.</li> <li>• Adherence to health and safety regulations, and quality control in the histopathology laboratory.</li> </ul> <p>In cytopathology the student will demonstrate that she or he has acquired:</p>

	<ul style="list-style-type: none"> <li>• The general knowledge and skills to assess material from all the common types of specimens including fine needle aspirations (FNA), sputum, bronchial brushings, cervical brushings, serous effusions, urine, typical examples of malignancy.</li> <li>• Competency in performing FNA and brushings, preparing smears and imprints, and providing on-site interpretation of the cytological preparations.</li> <li>• The ability to recognise when a specimen is inadequate, and an understanding of the possible reasons for such inadequacy and how these may be overcome.</li> <li>• An understanding of the role of cytology in cervical and breast pathology screening programmes.</li> </ul> <p>In autopsy pathology the student will have performed or participated at a minimum of 20 full post-mortem examination under the supervision of a general pathologist or a forensic pathologist and demonstrate the competence to:</p> <ul style="list-style-type: none"> <li>• Identify and photo-document diseased organs and tissues.</li> <li>• Take organ, blood and body fluid cultures when appropriate and prepare tissue sections for fixation and processing.</li> <li>• Interpret microscopic slides to identify and diagnose pathologic tissue alterations.</li> <li>• Synthesize all the available clinical and pathologic information to formulate a meaningful interpretation and differential diagnosis regarding the patient's clinical progress and cause of death.</li> <li>• Ably communicate the pathological findings and conclusions to professional colleagues.</li> <li>• Fulfill professional obligations regarding the rendering of a provisional and final diagnosis in an efficient, courteous and timely manner.</li> </ul>
<b>Main Content</b>	<p>The following topics will be covered:</p> <p><b>General Pathology</b></p> <ul style="list-style-type: none"> <li>• Cellular Adaptations, Cell Injury, and Cell Death</li> <li>• Acute and Chronic Inflammation Tissue Repair: Cellular Growth, Fibrosis, and Wound Healing</li> <li>• Haemodynamic disorders, Thrombosis, and Shock</li> <li>• Genetic Disorders</li> <li>• Diseases of Immunity</li> <li>• Neoplasia</li> <li>• Infectious Diseases</li> <li>• Environmental and Nutritional Pathology</li> <li>• Diseases of Infancy and Childhood.</li> </ul> <p><b>Diseases of Organ Systems</b></p> <ul style="list-style-type: none"> <li>• Blood Vessels and the Heart</li> <li>• Red Cells and Bleeding Disorders</li> <li>• White Cells, Lymph Nodes, Spleen, and Thymus</li> <li>• Head and Neck</li> <li>• Gastrointestinal Tract, Liver and Biliary Tract</li> </ul>

	<ul style="list-style-type: none"> <li>• The Lung, Pancreas and Kidneys</li> <li>• Lower Urinary Tract and the Male Genital Tract</li> <li>• Breast and Female Genital Tract</li> <li>• Endocrine Systems</li> <li>• Skin</li> <li>• Bones, Joints, and Soft Tissue Tumors</li> <li>• Peripheral Nerve and Skeletal Muscle</li> <li>• The Central Nervous System and Eye.</li> </ul> <b>Histopathology techniques and laboratory procedures.</b>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	250	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	300	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	250		
<i>Selfstudy:</i>	100		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>1000</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Clusters of Oral Diagnostics, Maxillofacial & Oral Surgery. Oncology, Tygerberg Hospital
<b>Module Topic</b>	Clinical Oral Pathology
<b>Generic Module Name</b>	Clinical Oral Pathology (rotation)
<b>Alpha-numeric Code</b>	<b>ORP824 / ORP833</b>
<b>NQF Level</b>	10 + 10
<b>NQF Credit Value</b>	Year + Year
<b>Duration</b>	9
<b>Proposed semester to be offered</b>	First Semester & Second Semester
<b>Programmes in which the module will be offered</b>	MDS and MSc (Oral Pathology)
<b>Year level</b>	MDS III & IV; MSc II & III
<b>Main Outcome</b>	On completion of this module, the student should be able describe the theoretical, practical and clinical aspects of each of the following disciplines: <ul style="list-style-type: none"> <li>• Oral Diagnosis</li> <li>• Oral Medicine and Periodontology</li> <li>• Oral Surgery</li> <li>• Oral Radiology</li> <li>• Oral Oncology.</li> </ul>

	<ul style="list-style-type: none"> <li>• Explain the interaction between these disciplines and oral pathology.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• History taking and oral examination</li> <li>• Incisional (scalpel, punch) and excisional biopsy of oral mucosal tissue from the perspective of the clinically oriented oral pathologist</li> <li>• Needle biopsy of deep soft tissue lesions of the oral and maxillofacial regions</li> <li>• Oral mucosal brushings and fine needle aspirations of the oral and maxillofacial regions, salivary glands and cervical neck lymph nodes</li> <li>• Taking of microbiological samples</li> <li>• Routine and specialised radiographic techniques: Cone Beam Computer Tomography, CT &amp; 3D-CT imaging, MRI, Ultrasound, Sialography, Pet Scanning, etc</li> <li>• Prescription and interpretation of routine and specialised radiographic images</li> <li>• Liaison and communication with specialists in the above disciplines regarding the correct management of patients.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	150	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Dept of Anatomical Pathology, NHLS Tygerberg Business Unit/University of Stellenbosch
<b>Module Topic</b>	Anatomical Pathology, Cytopathology and Morbid Anatomy
<b>Generic Module Name</b>	Anatomical Pathology, Cytopathology and Morbid Anatomy 831
<b>Alpha-numeric Code</b>	<b>ORP831</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	90
<b>Duration</b>	Year

<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Oral Pathology) (5881)
<b>Year level</b>	1
<b>Main Outcome</b>	<p>On completion of this module, students should be able to:  In general surgical pathology, the trainee will have adequate knowledge, practical and interpretative skills demonstrated by:</p> <ul style="list-style-type: none"> <li>• A methodical and standardised approach to dealing with surgical pathology specimens.</li> <li>• The ability to accurately describe the macroscopic appearances of general surgical specimens submitted as biopsies or surgical resections, and to appropriately dissect and sample these specimens for microscopic examination.</li> <li>• A detailed knowledge and the ability to accurately describe and diagnose the microscopic features of diseased tissues. This will include all types of tissue and all types of disease appropriate to the intermediate experience of a general anatomical pathology trainee.</li> <li>• Competent skills to determine the need for application and to evaluate the outcome of various relevant techniques in surgical pathology such as macro- and microscopic photography, bony tissue decalcification, histochemistry, immunofluorescence, flow cytometry, immunohistochemistry, electron microscopy and molecular pathology.</li> <li>• The ability to cut, stain and evaluate frozen sections in the laboratory and on site.</li> <li>• A lucid style of reporting including appropriate observations and conclusions, appropriate amount of detail, and an indication of the degree of confidence with which any suggested diagnosis is made and placed in the context of the clinical presentation of the pathosis or information received thereof. Students should be able to use proformas for minimum dataset cancer reporting.</li> <li>• Understanding of information technology sufficient to be able to use computers and network/internet services for producing pathology reports and laboratory statistics.</li> <li>• Sufficient technical knowledge of tissue fixation and processing, the cutting and staining of histological sections (including special techniques such as electron microscopy, immunohisto- and cyto-chemistry, and molecular pathology) to be able to interact appropriately with colleagues and laboratory staff over those technical aspects for which they are responsible.</li> <li>• Adherence to health and safety regulations, and quality control in the histopathology laboratory.</li> </ul> <p>In cytopathology the student will demonstrate that she or he has acquired:</p>

	<ul style="list-style-type: none"> <li>• The general knowledge and skills to assess material from all the common types of specimens including fine needle aspirations (FNA), sputum, bronchial brushings, cervical brushings, serous effusions, urine, typical examples of malignancy.</li> <li>• Competency in performing FNA and brushings, preparing smears and imprints, and providing on-site interpretation of the cytological preparations.</li> <li>• The ability to recognise when a specimen is inadequate, and an understanding of the possible reasons for such inadequacy and how these may be overcome.</li> <li>• An understanding of the role of cytology in cervical and breast pathology screening programmes.</li> </ul> <p>In autopsy pathology the student will have performed or participated at a minimum of 20 full post-mortem examination under the supervision of a general pathologist or a forensic pathologist and demonstrate the competence to:</p> <ul style="list-style-type: none"> <li>• Identify and photo-document diseased organs and tissues.</li> <li>• Take organ, blood and body fluid cultures when appropriate and prepare tissue sections for fixation and processing.</li> <li>• Interpret microscopic slides to identify and diagnose pathologic tissue alterations.</li> <li>• Synthesize all the available clinical and pathologic information to formulate a meaningful interpretation and differential diagnosis regarding the patient's clinical progress and cause of death.</li> <li>• Ably communicate the pathological findings and conclusions to professional colleagues.</li> <li>• Fulfill professional obligations regarding the rendering of a provisional and final diagnosis in an efficient, courteous and timely manner.</li> </ul>
<b>Main Content</b>	<p>The following topics will be covered:</p> <p><b>General Pathology</b></p> <ul style="list-style-type: none"> <li>• Cellular Adaptations, Cell Injury, and Cell Death</li> <li>• Acute and Chronic Inflammation Tissue Repair: Cellular Growth, Fibrosis, and Wound Healing</li> <li>• Haemodynamic disorders, Thrombosis, and Shock</li> <li>• Genetic Disorders</li> <li>• Diseases of Immunity</li> <li>• Neoplasia</li> <li>• Infectious Diseases</li> <li>• Environmental and Nutritional Pathology</li> <li>• Diseases of Infancy and Childhood.</li> </ul> <p><b>Diseases of Organ Systems</b></p> <ul style="list-style-type: none"> <li>• Blood Vessels and the Heart</li> <li>• Red Cells and Bleeding Disorders</li> <li>• White Cells, Lymph Nodes, Spleen, and Thymus</li> <li>• Head and Neck</li> <li>• Gastrointestinal Tract, Liver and Biliary Tract</li> </ul>

	<ul style="list-style-type: none"> <li>• The Lung, Pancreas and Kidneys</li> <li>• Lower Urinary Tract and the Male Genital Tract</li> <li>• Breast and Female Genital Tract</li> <li>• Endocrine Systems</li> <li>• Skin</li> <li>• Bones, Joints, and Soft Tissue Tumors</li> <li>• Peripheral Nerve and Skeletal Muscle</li> <li>• The Central Nervous System and Eye.</li> </ul> <b>Histopathology techniques and laboratory procedures.</b>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	200	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	340	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	260		
<i>Selfstudy:</i>	100		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>1000</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Depts of Microbiology, Chemical Pathology, Haematology and Virology, NHLS Tygerberg Business Unit/University of Stellenbosch
<b>Module Topic</b>	Laboratory and Clinical Pathology
<b>Generic Module Name</b>	Introduction to Laboratory and Clinical Pathology 832 (rotation)
<b>Alpha-numeric Code</b>	<b>ORP832</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	30
<b>Duration</b>	Term
<b>Proposed semester to be offered</b>	First Term
<b>Programmes in which the module will be offered</b>	MDS/MChD (Oral Pathology) (5881)
<b>Year level</b>	2
<b>Main Outcome</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Demonstrate a broad insight and understanding of the practical aspects of laboratory medicine other than Anatomical Pathology.</li> </ul>
<b>Main Content</b>	The following topics will be covered: <ul style="list-style-type: none"> <li>• Microbiological and viral culturing/identification</li> <li>• Large-scale laboratory testing facilities</li> </ul>

	<ul style="list-style-type: none"> <li>Automated and manual equipment</li> <li>Computerized record keeping and reporting systems</li> <li>Quality control procedures in each of the following pathology disciplines: <ul style="list-style-type: none"> <li>Medical Microbiology</li> <li>Virology</li> <li>Haematopathology</li> <li>Chemical Pathology.</li> </ul> </li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	200	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	50		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>300</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Depts of Anatomy and Pathology, University of Stellenbosch
<b>Module Topic</b>	Detailed Histomorphology of Human tissues
<b>Generic Module Name</b>	Applied Histology for Anatomical Pathology 841 (US 64629 875)
<b>Alpha-numeric Code</b>	<b>ORP841</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	10
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	MSc (Oral Pathology) (5801)
<b>Year level</b>	1
<b>Main Outcomes</b>	On completion of this module, students should be able to: Describe the basic cell structure, histomorphology and variations thereof and functions of: <ul style="list-style-type: none"> <li>Epithelial tissues and other ectodermal structures including the integumentary system (skin), glandular</li> </ul>

	<p>and digestive organs, mucosa and linings of the respiratory, digestive and genito-urinary systems.</p> <ul style="list-style-type: none"> <li>• Connective tissues and other mesodermal tissues including the musculo-skeletal, neural, and cardio-vascular systems.</li> <li>• Tissues and organs of endodermal origin including the respiratory and digestive systems.</li> <li>• Highly specialised tissues such as the neuro-endocrine and others of neuro-ectodermal origin, haematopoietic, immune-lymphatic, sensory (eye, ear) and reproductive systems.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Basic Tissues and Integrated Cell Biology</li> <li>• Epithelium</li> <li>• The cytoskeleton</li> <li>• The cell nucleus</li> <li>• Cyto-membranes</li> <li>• Cell signaling</li> <li>• Connective tissue</li> <li>• Adipose tissue</li> <li>• Cartilage</li> <li>• Bone</li> <li>• Osteogenesis</li> <li>• Blood and hematopoiesis</li> <li>• Muscle tissue</li> <li>• Nervous tissue</li> </ul> <ol style="list-style-type: none"> <li>1. Sensory organs: Vision and hearing</li> <li>2. Organ Systems: Protection of the body <ul style="list-style-type: none"> <li>• Immune-lymphatic system</li> <li>• The integumentary system</li> </ul> </li> <li>3. Organ Systems: Blood circulatory systems <ul style="list-style-type: none"> <li>• Cardiovascular system</li> <li>• Respiratory system</li> <li>• Urinary system</li> </ul> </li> <li>4. Organ Systems: The alimentary system <ul style="list-style-type: none"> <li>• Upper digestive system</li> <li>• Lower digestive system</li> <li>• Digestive glands</li> </ul> </li> <li>5. Organ Systems: The endocrine system <ul style="list-style-type: none"> <li>• The neuroendocrine system</li> <li>• Endocrine system</li> </ul> </li> <li>6. Organ Systems: The reproductive system <ul style="list-style-type: none"> <li>• Spermatogenesis</li> <li>• Sperm transport and maturation</li> <li>• Follicle development and menstrual cycle, fertilization, placentation and lactation</li> </ul> </li> </ol>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	30	Lectures p.w.	0	
Assignments & tasks:	15	Practicals p.w.	0	
Practicals:	0	Tutorials p.w.	0	
Assessments:	1			
Selfstudy:	54			
Other:	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%			
<b>Assessment Module type</b>	Final Assessment (FA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Orthodontics, Faculty of Dentistry			
<b>Module Topic</b>	Removable Appliances			
<b>Generic Module Name</b>	Removable Appliances 811			
<b>Alpha-numeric Code</b>	ORT811			
<b>NQF Level</b>	9			
<b>NQF Credit Value</b>	10			
<b>Duration</b>	Semester			
<b>Proposed semester to be offered</b>	First Semester			
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)			
<b>Year level</b>	1			
<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Design and construct any orthodontic appliance.</li> <li>• Fabricate study models.</li> <li>• Use specific types of removable appliances.</li> <li>• Recognize faults in appliance design and fabrication.</li> <li>• Solder and weld stainless steel components.</li> <li>• Adjust and modify removable appliances.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Wire bending and soldering techniques</li> <li>• Fabrication of Class I, II, &amp; III study models</li> <li>• Basic removable appliances: design, fabrication and functions</li> <li>• Advanced removable appliance: design, fabrication and functions</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecture / tutor:	40	Lectures p.w.	0	
Assignments & tasks:	50	Practicals p.w.	2	

<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	0			
<i>Selfstudy:</i>	10			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>100</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Orthodontics, Faculty of Dentistry		
<b>Module Topic</b>	Academic Placements 1-4		
<b>Generic Module Name</b>	Academic Placements 812		
<b>Alpha-numeric Code</b>	<b>ORT812</b>		
<b>NQF Level</b>	9		
<b>NQF Credit Value</b>	15		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Prepare and deliver lectures, seminars and other learning activities at undergraduate level.</li> <li>• Supervise undergraduate students with removable appliance therapy.</li> <li>• Contribute effectively to health research team activities.</li> <li>• Participate in CPD, undergraduate and other departmental programmes.</li> <li>• Prepare a research/case report for presentation at a relevant local or national scientific meeting/conference.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Teaching undergraduates</li> <li>• Clinical supervision and service</li> <li>• Administration (module coordination, assessment, planning etc.)</li> <li>• Management problem solving tasks.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	590	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	80	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		

<i>Selfstudy:</i>	80			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>750</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Orthodontics, Faculty of Dentistry			
<b>Module Topic</b>	Academic Placements 1-4			
<b>Generic Module Name</b>	Academic Placements 813			
<b>Alpha-numeric Code</b>	<b>ORT813</b>			
<b>NQF Level</b>	9			
<b>NQF Credit Value</b>	20			
<b>Duration</b>	Year			
<b>Proposed semester to be offered</b>	Both Semesters			
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)			
<b>Year level</b>	3			
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Prepare and deliver lectures, seminars and other learning activities at undergraduate level.</li> <li>• Supervise undergraduate students with removable appliance therapy.</li> <li>• Contribute effectively to health research team activities.</li> <li>• Participate in CPD, undergraduate and other departmental programmes.</li> <li>• Prepare a research/case report for presentation at a relevant local or national scientific meeting/conference.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Teaching undergraduates</li> <li>• Clinical supervision and service</li> <li>• Administration (module coordination, assessment, planning etc.)</li> <li>• Management problem solving tasks.</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	150	<i>Lectures p.w.</i>	1	
<i>Assignments &amp; tasks:</i>	25	<i>Practicals p.w.</i>	1	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	0			

<i>Selfstudy:</i>	25			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>200</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Orthodontics, Faculty of Dentistry			
<b>Module Topic</b>	Orthodontic Seminars 1-4			
<b>Generic Module Name</b>	Orthodontic Seminars 814			
<b>Alpha-numeric Code</b>	<b>ORT814</b>			
<b>NQF Level</b>	9			
<b>NQF Credit Value</b>	40			
<b>Duration</b>	Year			
<b>Proposed semester to be offered</b>	Both Semesters			
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)			
<b>Year level</b>	4			
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Conduct a comprehensive literature review of specified topics in orthodontics.</li> <li>• Critically appraise journal articles.</li> <li>• Produce a thorough and comprehensive review of the relevant literature or any other source material in his/her own words on specified topics.</li> <li>• Present seminars applying a critical approach to the allocated topics.</li> <li>• Participate in and contribute to the debate during seminars with sound knowledge of the specified topics under discussion.</li> <li>• Discuss the latest trends in orthodontics.</li> <li>• Discuss the controversies related to clinical orthodontics.</li> <li>• Have specific viewpoints with respect to controversies in the practice of clinical orthodontics.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Literature reviews</li> <li>• Seminar presentations as specified in the course outline</li> <li>• Journal discussion</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	120	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	80	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	2	

<b>Assessments:</b>	0			
<b>Selfstudy:</b>	200			
<b>Other:</b>	0			
<b>Total Learning Time</b>	<b>400</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Orthodontics			
<b>Module Topic</b>	Academic Placements 1-4			
<b>Generic Module Name</b>	Academic Placements 815			
<b>Alpha-numeric Code</b>	<b>ORT815</b>			
<b>NQF Level</b>	9			
<b>NQF Credit Value</b>	20			
<b>Duration</b>	Year			
<b>Proposed semester to be offered</b>	Both Semesters			
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)			
<b>Year level</b>	2			
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Prepare and deliver lectures, seminars and other learning activities at undergraduate level.</li> <li>• Supervise undergraduate students with removable appliance therapy.</li> <li>• Contribute effectively to health research team activities.</li> <li>• Participate in CPD, undergraduate and other departmental programmes.</li> <li>• Prepare a research/case report for presentation at a relevant local or national scientific Meeting / conference.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Teaching undergraduates</li> <li>• Clinical supervision and service</li> <li>• Administration (module coordination, assessment, planning etc.)</li> <li>• Management problem solving tasks.</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	80	<i>Lectures p.w.</i>	1	
<i>Assignments &amp; tasks:</i>	60	<i>Practicals p.w.</i>	1	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	0			

<i>Selfstudy:</i>	60			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>200</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Orthodontics, Faculty of Dentistry			
<b>Module Topic</b>	Pre-Clinical Orthodontics			
<b>Generic Module Name</b>	Pre-Clinical Orthodontics 821			
<b>Alpha-numeric Code</b>	<b>ORT821</b>			
<b>NQF Level</b>	9			
<b>NQF Credit Value</b>	20			
<b>Duration</b>	Semester			
<b>Proposed semester to be offered</b>	First Semester			
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)			
<b>Year level</b>	1			
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Conduct orthodontic examination.</li> <li>• Acquire orthodontic records including photographs, impressions and radiographs.</li> <li>• Analyze radiological records.</li> <li>• Identify all cephalometric land marks.</li> <li>• Interpret specific orthodontic analyses.</li> <li>• Trace vto and sto.</li> <li>• Analyze orthodontic records.</li> <li>• Complete a variety of cases on a typodont.</li> <li>• Diagnose and draw up a treatment plan.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Clinical examination</li> <li>• Radiology</li> <li>• Wire bending</li> <li>• Typodonts Tweed, Begg/Tip-edge, Straight wire</li> <li>• Laboratory procedures</li> <li>• Seminars and discussion</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	120	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	40	<i>Practicals p.w.</i>	2	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	0			

<i>Selfstudy:</i>	40			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>200</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Orthodontics			
<b>Module Topic</b>	Orthodontic Seminars			
<b>Generic Module Name</b>	Orthodontic Seminars 1-4			
<b>Alpha-numeric Code</b>	<b>ORT822</b>			
<b>NQF Level</b>	9			
<b>NQF Credit Value</b>	30			
<b>Duration</b>	Year			
<b>Proposed semester to be offered</b>	Both Semesters			
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)			
<b>Year level</b>	2			
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Conduct a comprehensive literature review of specified topics in orthodontics.</li> <li>• Critically appraise journal articles.</li> <li>• Produce a thorough and comprehensive review of the relevant literature or any other source material in his/her own words on specified topics.</li> <li>• Present seminars applying a critical approach to the allocated topics.</li> <li>• Participate in and contribute to the debate during seminars with sound knowledge of the specified topics under discussion.</li> <li>• Discuss the latest trends in orthodontics.</li> <li>• Discuss the controversies related to clinical orthodontics.</li> <li>• Have specific viewpoints with respect to controversies in the practice of clinical orthodontics.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Literature reviews</li> <li>• Seminar presentations as specified in the course outline</li> <li>• Journal discussion</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	75	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	75	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	2	

<b>Assessments:</b>	0			
<b>Selfstudy:</b>	150			
<b>Other:</b>	0			
<b>Total Learning Time</b>	<b>300</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry			
<b>Home Department</b>	Orthodontics			
<b>Module Topic</b>	Orthodontic Seminars			
<b>Generic Module Name</b>	Orthodontic Seminars 1-4			
<b>Alpha-numeric Code</b>	<b>ORT823</b>			
<b>NQF Level</b>	9			
<b>NQF Credit Value</b>	30			
<b>Duration</b>	Year			
<b>Proposed semester to be offered</b>	Both Semesters			
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)			
<b>Year level</b>	3			
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Conduct a comprehensive literature review of specified topics in orthodontics.</li> <li>• Critically appraise journal articles.</li> <li>• Produce a thorough and comprehensive review of the relevant literature or any other source material in his/her own words on specified topics.</li> <li>• Present seminars applying a critical approach to the allocated topics.</li> <li>• Participate in and contribute to the debate during seminars with sound knowledge of the specified topics under discussion.</li> <li>• Discuss the latest trends in orthodontics.</li> <li>• Discuss the controversies related to clinical orthodontics.</li> <li>• Have specific viewpoints with respect to controversies in the practice of clinical orthodontics.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Literature reviews</li> <li>• Seminar presentations as specified in the course outline</li> <li>• Journal discussion</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	75	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	75	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	2	

<b>Assessments:</b>	0			
<b>Selfstudy:</b>	150			
<b>Other:</b>	0			
<b>Total Learning Time</b>	<b>300</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics
<b>Module Topic</b>	Clinical Orthodontics
<b>Generic Module Name</b>	Clinical Orthodontics 1-4
<b>Alpha-numeric Code</b>	<b>ORT824</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	40
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)
<b>Year level</b>	4
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Clinically examine and evaluate patients with malocclusions.</li> <li>• Diagnose anomalies and abnormalities in the dentition, facial structures and functional conditions.</li> <li>• Recognize and identify factors contributing to the malocclusion.</li> <li>• Obtain orthodontic records for case analyses.</li> <li>• Apply and interpret various orthodontic analyses.</li> <li>• Formulate the most appropriate treatment plan following consideration of the underlying aetiological factors and the expectations of the patient.</li> <li>• Predict the course of the planned treatment.</li> <li>• Evaluate psychological aspects relevant to orthodontics.</li> <li>• Provide orthodontic treatment based on scientific principles.</li> <li>• Conduct interceptive orthodontic measures.</li> <li>• Execute a varied range (in degrees of severity) of treatment procedures.</li> <li>• Collaborate in multidisciplinary teams for treatment of compromised patients, orthodontic-surgical treatment and care of cleft lip and cleft palate patients.</li> <li>• Evaluate the need for orthodontic treatment from a public health planning perspective.</li> <li>• Act as an expert in orthodontics and related matters.</li> <li>• Advise and consult with professional colleagues on orthodontic aspects of malocclusion.</li> <li>• Practice orthodontics with high professional and ethical standards.</li> </ul>

<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Case discussions</li> <li>• Clinical case management</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	220	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	90	<i>Practicals p.w.</i>	5
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	90		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>400</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics
<b>Module Topic</b>	Clinical Orthodontics
<b>Generic Module Name</b>	Clinical Orthodontics 1-4
<b>Alpha-numeric Code</b>	<b>ORT832</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	50
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Clinically examine and evaluate patients with malocclusions.</li> <li>• Diagnose anomalies and abnormalities in the dentition, facial structures and functional conditions.</li> <li>• Recognize and identify factors contributing to the malocclusion.</li> <li>• Obtain orthodontic records for case analyses.</li> <li>• Apply and interpret various orthodontic analyses.</li> <li>• Formulate the most appropriate treatment plan following consideration of the underlying aetiological factors and the expectations of the patient.</li> <li>• Predict the course of the planned treatment.</li> <li>• Evaluate psychological aspects relevant to orthodontics.</li> <li>• Provide orthodontic treatment based on scientific principles.</li> <li>• Conduct interceptive orthodontic measures.</li> </ul>

	<ul style="list-style-type: none"> <li>• Execute a varied range (in degrees of severity) of treatment procedures.</li> <li>• Collaborate in multidisciplinary teams for treatment of compromised patients, orthodontic-surgical treatment and care of cleft lip and cleft palate patients.</li> <li>• Evaluate the need for orthodontic treatment from a public health planning perspective.</li> <li>• Act as an expert in orthodontics and related matters.</li> <li>• Advise and consult with professional colleagues on orthodontic aspects of malocclusion.</li> <li>• Practice orthodontics with high professional and ethical standards.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Case discussions</li> <li>• Clinical case management</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	240	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	130	<i>Practicals p.w.</i>	5
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	130		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>500</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous and Formal Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics, Faculty of Dentistry
<b>Module Topic</b>	Clinical Orthodontics 1-4
<b>Generic Module Name</b>	Clinical Orthodontics 833
<b>Alpha-numeric Code</b>	<b>ORT833</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	50
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Clinically examine and evaluate patients with malocclusions.</li> <li>• Diagnose anomalies and abnormalities in the dentition, facial structures and functional conditions.</li> </ul>

	<ul style="list-style-type: none"> <li>Recognize and identify factors contributing to the malocclusion.</li> <li>Obtain orthodontic records for case analyses.</li> <li>Apply and interpret various orthodontic analyses.</li> <li>Formulate the most appropriate treatment plan following consideration of the underlying aetiological factors and the expectations of the patient.</li> <li>Predict the course of the planned treatment.</li> <li>Evaluate psychological aspects relevant to orthodontics.</li> <li>Provide orthodontic treatment based on scientific principles.</li> <li>Conduct interceptive orthodontic measures.</li> <li>Execute a varied range (in degrees of severity) of treatment procedures.</li> <li>Collaborate in multidisciplinary teams for treatment of compromised patients, orthodontic-surgical treatment and care of cleft lip and cleft palate patients.</li> <li>Evaluate the need for orthodontic treatment from a public health planning perspective.</li> <li>Act as an expert in orthodontics and related matters.</li> <li>Advise and consult with professional colleagues on orthodontic aspects of malocclusion.</li> <li>Practice orthodontics with high professional and ethical standards.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Case discussions</li> <li>Clinical case management</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	240	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	130	<i>Practicals p.w.</i>	5
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	130		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>500</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics, Faculty of Dentistry
<b>Module Topic</b>	Academic Placements 1-4
<b>Generic Module Name</b>	Academic Placements 834
<b>Alpha-numeric Code</b>	<b>ORT834</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20

<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)		
<b>Year level</b>	4		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Prepare and deliver lectures, seminars and other learning activities at undergraduate level.</li> <li>• Supervise undergraduate students with removable appliance therapy.</li> <li>• Contribute effectively to health research team activities.</li> <li>• Participate in CPD, undergraduate and other departmental programmes.</li> <li>• Prepare a research/case report for presentation at a relevant local or national scientific meeting/conference.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Teaching undergraduates</li> <li>• Clinical supervision and service</li> <li>• Administration (module coordination, assessment, planning etc.)</li> <li>• Management problem solving tasks.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	150	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	25	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	25		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics, Faculty of Dentistry
<b>Module Topic</b>	Orthodontic Seminars 1-4
<b>Generic Module Name</b>	Orthodontic Seminars 841
<b>Alpha-numeric Code</b>	<b>ORT841</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters

<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Conduct a comprehensive literature review of specified topics in orthodontics.</li> <li>• Critically appraise journal articles.</li> <li>• Produce a thorough and comprehensive review of the relevant literature or any other source material in his/her own words on specified topics.</li> <li>• Present seminars applying a critical approach to the allocated topics.</li> <li>• Participate in and contribute to the debate during seminars with sound knowledge of the specified topics under discussion.</li> <li>• Discuss the latest trends in orthodontics.</li> <li>• Discuss the controversies related to clinical orthodontics.</li> <li>• Have specific viewpoints with respect to controversies in the practice of clinical orthodontics.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Literature reviews</li> <li>• Seminar presentations as specified in the course outline</li> <li>• Journal discussion</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	100		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Orthodontics, Faculty of Dentistry
<b>Module Topic</b>	Clinical Orthodontics 1-4
<b>Generic Module Name</b>	Clinical Orthodontics 851
<b>Alpha-numeric Code</b>	<b>ORT851</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	25
<b>Duration</b>	Year Semester
<b>Proposed semester to be offered</b>	Both Semesters

<b>Programmes in which the module will be offered</b>	MDS/MChD (Orthodontics) (5811)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Clinically examine and evaluate patients with malocclusions.</li> <li>• Diagnose anomalies and abnormalities in the dentition, facial structures and functional conditions.</li> <li>• Recognize and identify factors contributing to the malocclusion.</li> <li>• Obtain orthodontic records for case analyses.</li> <li>• Apply and interpret various orthodontic analyses.</li> <li>• Formulate the most appropriate treatment plan following consideration of the underlying aetiological factors and the expectations of the patient.</li> <li>• Predict the course of the planned treatment.</li> <li>• Evaluate psychological aspects relevant to orthodontics.</li> <li>• Provide orthodontic treatment based on scientific principles.</li> <li>• Conduct interceptive orthodontic measures.</li> <li>• Execute a varied range (in degrees of severity) of treatment procedures.</li> <li>• Collaborate in multidisciplinary teams for treatment of compromised patients, orthodontic-surgical treatment and care of cleft lip and cleft palate patients.</li> <li>• Evaluate the need for orthodontic treatment from a public health planning perspective.</li> <li>• Act as an expert in orthodontics and related matters.</li> <li>• Advise and consult with professional colleagues on orthodontic aspects of malocclusion.</li> <li>• Practice orthodontics with high professional and ethical standards.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Case discussions</li> <li>• Clinical case management</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	120	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	65	<i>Practicals p.w.</i>	5
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	65		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>250</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100%		
	Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral & Maxillofacial Pathology
<b>Module Topic</b>	Oral Pathology
<b>Generic Module Name</b>	Oral Pathology 1 (Intermediate Level) 811
<b>Alpha-numeric Code</b>	<b>PAT811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Oral Pathology) (5801); MSc (Paediatric Dentistry) (5801); MSc (Maxillofacial Radiology) (5801); MSc (Forensic Dentistry) (5801); MDS/MChD (Prosthodontics) (5811); MDS/MChD (MFOS) (5811)
<b>Year level</b>	1 or 2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe the epidemiology and aetiology and pathogenesis of the pertinent abnormalities, diseases and conditions occurring in the oral and maxillofacial region.</li> <li>• Recognise, identify and explain the similarities and differences of the above, and associate these with the basic molecular aspects.</li> <li>• Recognise and describe the pertinent clinical signs and symptoms, and radiological features of these diseases and conditions.</li> <li>• Describe the basic histological features of these diseases and conditions.</li> <li>• Use suitable sampling techniques and describe the laboratory tests that are used to diagnose common diseases in the oral and maxillofacial regions.</li> </ul>
<b>Main Content</b>	<p><b>Basic diagnostic tests and laboratory procedures</b></p> <p><b>Hard tissue pathology:</b></p> <ul style="list-style-type: none"> <li>• Craniofacial development disorders</li> <li>• Developmental abnormalities of the dentition and related tissues; acquired tooth disorders</li> <li>• Sequelae of dental caries</li> <li>• Gingivitis and periodontitis</li> <li>• Major infections of the mouth, jaws and perioral tissues</li> <li>• Cysts of the jaws</li> <li>• Odontogenic tumours and tumour-like lesions of the jaws</li> <li>• Non-odontogenic tumours of the jaws</li> <li>• Genetic, metabolic and non-neoplastic bone diseases</li> <li>• Maxillary sinus pathosis</li> <li>• Disorders of the temporomandibular joints and periarticular tissues</li> </ul> <p><b>Soft tissue pathology</b></p> <ul style="list-style-type: none"> <li>• Infective stomatitis and non-infective stomatitis (including immune-mediated, physical &amp; chemical trauma)</li> </ul>

	<ul style="list-style-type: none"> <li>Fungal, bacterial, viral and parasitic infections of the oral and perioral soft tissues</li> <li>Common benign mucosal lesions</li> <li>Tongue disorders</li> <li>Benign chronic white mucosal lesions</li> <li>Oral premalignancy and oral cancer</li> <li>Oral and facial pigmented lesions</li> <li>Soft-tissue (mesenchymal) neoplasms and lymphomas</li> <li>Neoplastic and non-neoplastic diseases of salivary glands</li> </ul> <p><b>The medically compromised patient</b></p> <ul style="list-style-type: none"> <li>Cervical lymphadenopathy</li> <li>Oral manifestations of: haematological, immunological-mediated, immunodeficiency (HIV), dermatological, nutritional, gastro-intestinal, hepatic, renal and endocrine diseases.</li> <li>Oral abnormalities associated with intellectual, psychiatric and physical disorders</li> <li>Oral manifestations of neurological and psychogenic disorders</li> </ul> <p>Complications of systemic drug treatment</p>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecture / tutor:</i>	58	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	40	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	2	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	35		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>140</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 40% Final Assessment (FA): 60%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Department of Anatomical Pathology, University of Stellenbosch/ NHLS
<b>Module Topic</b>	General Pathology
<b>Generic Module Name</b>	General Pathology 812
<b>Alpha-numeric Code</b>	<b>PAT812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters

<b>Programmes in which the module will be offered</b>	MDS/MChD (OM&P) (5811)		
<b>Year level</b>	1 or 2		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of general pathology.</li> <li>• Utilize information technology to access appropriate information on general pathology.</li> <li>• Describe, discuss and apply the knowledge of general pathology.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• General pathology</li> <li>• Cell injury, death and adaptation</li> <li>• Acute and chronic inflammation</li> <li>• Repair: Cell regeneration, fibrosis, and wound healing</li> <li>• Haemodynamic disorders, thrombosis and shock</li> <li>• Disorders of the immune system</li> <li>• Neoplasia</li> <li>• Genetic an paediatric diseases</li> <li>• Environmental diseases</li> <li>• General pathology of infectious diseases</li> <li>• Diseases of organ systems</li> <li>• Blood vessels</li> <li>• The heart</li> <li>• The haemopoietic and lymphoid systems</li> <li>• Lungs and the upper respiratory tract</li> <li>• The kidney and its collection system</li> <li>• The oral cavity and gastrointestinal tract</li> <li>• The liver and the biliary tract</li> <li>• The pancreas</li> <li>• The male genital system</li> <li>• Female genital system and breast</li> <li>• Endocrine system</li> <li>• The musculoskeletal system</li> <li>• The skin</li> <li>• The nervous system.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	10	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	90		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		
<b>Assessment Module type</b>	Final Assessment (FA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral & Maxillofacial Pathology
<b>Module Topic</b>	Diagnostic Oral Maxillofacial Pathology and Radiology
<b>Generic Module Name</b>	Diagnostic Oral Maxillofacial Pathology and Radiology 813
<b>Alpha-numeric Code</b>	<b>PAT813</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	40
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (MFOS) (5811) MDS/MChD (OM&P) (5811)
<b>Year Level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the epidemiology, the aetiology and pathogenesis of a comprehensive range of diseases and conditions in the oral and maxillofacial region.</li> <li>• Recognise, describe and interpret the clinical manifestations of these diseases and conditions.</li> <li>• Interpret the radiological, macroscopic and salient histopathological features of these diseases and conditions.</li> <li>• Explain the common investigative modalities that are used to diagnose of the oral and maxillofacial regions.</li> <li>• Identify and correlate the pertinent clinical, radiological and laboratory data to formulate a differential and final working diagnosis, and meaningfully interact with pathologists and radiologists in this regard.</li> </ul>
<b>Main Content</b>	<p>The classification, pathogenesis, epidemiology, clinical, radiological, histological, basic molecular and cytological characteristics (where appropriate) of:</p> <ul style="list-style-type: none"> <li>• Developmental disorders of the oral and maxillofacial region</li> <li>• Dental caries, gingivitis and periodontal diseases</li> <li>• Pulpal and periapical disease</li> <li>• Inflammatory jaw lesions</li> <li>• Bacterial, fungal infections, viral and protozoal diseases of the oral cavity and adjacent structures</li> <li>• Major soft tissue and peri-oral infections</li> <li>• Physical and chemical injuries</li> <li>• Infective and non-infective stomatitis including vesiculo-bullous diseases and ulcerative conditions</li> <li>• Dermatological diseases of the oral mucosa</li> <li>• White and red-blue oral mucosa lesions</li> <li>• Verrucal-papillary oral mucosa lesions</li> <li>• Pigmented lesions of the oral and perioral tissues</li> <li>• Benign mucosal swellings and tongue disorders</li> <li>• Soft tissue tumors and connective tissue lesions</li> <li>• Lymphoid lesions and haematological disorders</li> <li>• Oral precancer and cancer</li> <li>• Salivary gland tumours and diseases</li> </ul>

	<ul style="list-style-type: none"> <li>• Maxillary sinus pathosis</li> <li>• Metabolic, genetic and non-neoplastic jaw diseases</li> <li>• Major infections of bone</li> <li>• Cysts of the jaws and oral regions</li> <li>• Odontogenic tumours and tumour-like lesions/conditions</li> <li>• Non-odontogenic tumours of the jaws</li> <li>• Pathosis of the temporomandibular joints and periarticular tissues</li> <li>• Oral manifestations of systemic diseases</li> <li>• Cervical lymphadenopathy</li> <li>• Allergies and immunologic diseases</li> <li>• Immunodeficiency diseases</li> <li>• Facial pain and neuromuscular diseases</li> </ul> <p><b>Histopathology laboratory procedures:</b></p> <ul style="list-style-type: none"> <li>• Trimming, embedding, fixation, routine and specialised staining of tissues, decalcification</li> </ul> <p><b>Special laboratory techniques:</b></p> <ul style="list-style-type: none"> <li>• Immunohistochemistry and immunofluorescence, flow cytometry, electron microscopy</li> </ul> <p><b>Other diagnostic modalities:</b></p> <ul style="list-style-type: none"> <li>• Frozen sections and tissue imprints</li> <li>• Fine needle aspiration and (transepithelial) brushings.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	60	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	40	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	80	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	60		
<i>Selfstudy:</i>	110		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>350</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 30% Final Assessment (FA): 70%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Department of Anatomical Pathology, University of Stellenbosch/ NHLS
<b>Module Topic</b>	Principles & vocabulary of general pathology
<b>Generic Module Name</b>	Basic Pathology 841 (US 10391 874)
<b>Alpha-numeric Code</b>	<b>PAT841</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester

<b>Programmes in which the module will be offered</b>	MSc (Oral Pathology) (5807)			
<b>Year level</b>	1			
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Use appropriately the basic vocabulary of general pathology.</li> <li>• Describe and discuss the basic pathological principles of disease.</li> <li>• Apply this knowledge in the study of anatomical pathology.</li> <li>• Utilize information technology to access appropriate information on general pathology.</li> </ul>			
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Cell injury, death and adaptation</li> <li>• Acute and chronic inflammation</li> <li>• Repair: Cell regeneration, fibrosis, and wound healing</li> <li>• Haemodynamic disorders, thrombosis and shock</li> <li>• Disorders of the immune system</li> <li>• Neoplasia</li> <li>• Genetic and paediatric diseases</li> <li>• Environmental diseases</li> <li>• General pathology of infectious diseases</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	Anatomical Pathology for MSc			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	25	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	4			
<i>Selfstudy:</i>	121			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>150</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%			
<b>Assessment Module type</b>	Final Assessment (FA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Paediatric Dentistry
<b>Module Topic</b>	Paediatric Dentistry 1
<b>Generic Module Name</b>	Paediatric Dentistry 811
<b>Alpha-numeric Code</b>	<b>PED811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	60
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters

<b>Programmes in which the module will be offered</b>	MSc (Paediatric Dentistry) (5801)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Design and implement a preventative strategy appropriate to the oral and dental status of children and persons with special needs.</li> <li>• Competently manage clinically any hard tissue lesions and anomalies including childhood caries.</li> <li>• Employ appropriate behaviour management techniques so that the majority of his/her patients can be treated without the use of adjunct medications.</li> <li>• Treat patients under IV sedation and general anaesthesia.</li> <li>• Administer Nitrous Oxide sedation to the extremely anxious and/or apprehensive child patient for whom it is indicated.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Non- pharmacotherapeutic and pharmacotherapeutic behaviour management.</li> <li>• Evidence-based practice in prevention of oral diseases, including periodontal disease.</li> <li>• Advanced restorative care for the primary and early mixed dentitions.</li> <li>• Advanced radiographic techniques for the paediatric patient</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	80	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	80	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	320	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	110		
<i>Other:</i>	10		
<b>Total Learning Time</b>	<b>600</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Paediatric Dentistry
<b>Module Topic</b>	Advanced Paediatric Dentistry
<b>Generic Module Name</b>	Paediatric Dentistry 812
<b>Alpha-numeric Code</b>	<b>PED812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	80

<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MSc (Paediatric Dentistry) (5801)		
<b>Year level</b>	2		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Diagnose and treat oral disease including restorative, prosthetic, interceptive orthodontic and minor oral surgery for children, as well as those with special needs.</li> <li>• Explain the causes and nature of developmental and/ or acquired anomalies/ abnormalities of the oral soft and dental hard tissues lesions.</li> <li>• Identify and manage malocclusions that warrant interceptive treatment and/ or identify the need for orthodontic referral.</li> <li>• Advise, lead, collaborate, and communicate in multidisciplinary teams concerned with the welfare of children.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Diagnosis and treatment planning of complex paediatric clinical cases.</li> <li>• Advanced management of traumatic injuries of the primary and young permanent teeth.</li> <li>• Advanced pulp therapy of the primary and permanent dentition.</li> <li>• Oral management of the special care patients of all ages, including medically, physically, emotionally, and socially challenged.</li> <li>• Management of the more complex paediatric cases as part of a multidisciplinary team.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	70	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	380	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	230		
<i>Other:</i>	10		
<b>Total Learning Time</b>	<b>800</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostic Sciences
<b>Module Topic</b>	Periodontics and Periodontal Aspects of Implantology
<b>Generic Module Name</b>	Periodontics and Periodontal Aspects of Implantology 812
<b>Alpha-numeric Code</b>	<b>PER812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Pros) (5811)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p><b>Periodontology</b></p> <p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Describe all the features of a healthy periodontium.</li> <li>• Examine the periodontium and diagnose periodontal disease.</li> <li>• Describe treatment strategies for periodontal disease.</li> <li>• Recognize the relationship between periodontal health and the success of prosthodontic treatment and vice versa.</li> <li>• Recognize the influence of systemic conditions on periodontal health and their influence on perio/prostho treatment planning and treatment outcome.</li> </ul> <p><b>Periodontal aspects of Implantology</b></p> <ul style="list-style-type: none"> <li>• Describe the surgical protocol for different implant sites: healed sites, extraction sites, single and multiple implant sites.</li> <li>• Discuss how those different clinical scenarios influence prosthodontic treatment planning.</li> <li>• Identify clinical situations demanding tissue augmentation before, during or after implant placement.</li> <li>• Describe the latest developments in peri-implant tissue management in the aesthetic zone, for new implants as well as for less than aesthetically satisfactory existing implants.</li> <li>• Describe the peri-implant hard and soft tissue health maintenance protocol.</li> <li>• Discuss the possibilities of “saving” the failing implant.</li> </ul>
<b>Main Content</b>	<p><b>Periodontology</b></p> <ul style="list-style-type: none"> <li>• The anatomy and physiology of the periodontium - in health and disease</li> <li>• Diagnosis and diagnostic techniques of periodontal diseases</li> <li>• Classification (and controversies) of periodontal disease</li> <li>• Periodontal disease – epidemiology, microbiology, immunology</li> <li>• Medically compromised patients and periodontal disease</li> <li>• Mechanical and chemical supragingival plaque control</li> </ul>

	<ul style="list-style-type: none"> <li>• Systemic and topical anti-microbial treatment of periodontitis</li> <li>• Supportive periodontal treatment:</li> <li>• Occlusal therapy</li> <li>• Crown and bridge and periodontology</li> <li>• Furcation involvement</li> <li>• Stabilisation of teeth</li> <li>• The periodontal-restorative interface in fixed prosthodontics</li> <li>• Occlusal periodontal trauma</li> <li>• Surgical crown lengthening. Biological variables and aesthetic concerns</li> <li>• Restoration of periodontically compromised teeth.</li> </ul> <p><b>Periodontal aspects of implantology</b></p> <ul style="list-style-type: none"> <li>• Surgical protocol for healed and extraction sites</li> <li>• Tissue augmentation</li> <li>• Hard and soft tissue management for implant insertion in the aesthetic zone</li> <li>• Peri-implant tissue health maintenance protocol</li> <li>• Management of implant complications and the failing implant.</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	25	<i>Practicals p.w.</i>	2	
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	1	
<i>Assessments:</i>	10			
<i>Selfstudy:</i>	75			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>150</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
<b>Assessment Module type</b>	Continuous and Formal Assessment (CFA)			

  

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Periodontology
<b>Generic Module Name</b>	Periodontology IA
<b>Alpha-numeric Code</b>	<b>PER821</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	70
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters

<b>Programmes in which the module will be offered</b>	MSc (Periodontology) (5807)		
<b>Year level</b>	1		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Discuss in-depth the composition of dento-gingival bacterial biofilms, its growth and composition.</li> <li>• Discuss the literature pertaining to the relationship of plaque to inflammatory periodontal disease and its role in the aetiology of all clinical variants of gingivitis and periodontitis.</li> <li>• Explain the aetiology, pathogenesis, clinical features and diagnosis of chronic and acute forms of gingivitis, chronic periodontitis and all forms of aggressive periodontitis.</li> <li>• Discuss the relationship between these diseases and systemic conditions or diseases.</li> <li>• Discuss the literature and clinical practice pertaining to oral hygiene, plaque control and root planning in the management of gingivitis and periodontal diseases; comprehensive clinical examination; diagnosis and treatment planning for moderate to severe cases of periodontal disease.</li> <li>• Fully document cases by means of clinical, radiographic and modelled records.</li> <li>• Assist in the management of advanced cases treated by specialists in the department.</li> </ul>		
<b>Main Content</b>	<p>Topics to be covered during seminars:</p> <ul style="list-style-type: none"> <li>• Current classification of diseases and conditions affecting the periodontium</li> <li>• Epidemiology of periodontal diseases</li> <li>• Aetiology and pathogenesis of plaque-related periodontal diseases</li> <li>• Clinical diagnosis and radiographic aids in the diagnosis of periodontal diseases, including advanced diagnostic techniques</li> <li>• Genetic factors associated with periodontal diseases</li> <li>• Influence of systemic disease and disorders on the periodontium</li> <li>• Influence of periodontal disease on the health of the patient</li> <li>• Risk assessment.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	70	<i>Practicals p.w.</i>	2
<i>Practicals:</i>	400	<i>Tutorials p.w.</i>	1

<b>Assessments:</b>	20			
<b>Selfstudy:</b>	100			
<b>Other:</b>	0			
<b>Total Learning Time</b>	<b>640</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 40% Final Assessment (FA): 60%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine and Periodontology
<b>Module Topic</b>	Periodontology
<b>Generic Module Name</b>	Periodontology 2A
<b>Alpha-numeric Code</b>	<b>PER822</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	80
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Periodontology) (5807)
<b>Year level</b>	2
<b>Main Outcomes</b>	On completion of this module, students should be able to: Discuss and execute the following procedures: <ul style="list-style-type: none"> <li>• Gingivectomy and gingivoplasty.</li> <li>• Modified Widman flap.</li> <li>• Apically positioned flap.</li> <li>• Coronally positioned flap.</li> <li>• Mucogingival surgery.</li> <li>• Root resecting / hemisecting.</li> <li>• Regeneration procedures.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Treatment planning and prognosis</li> <li>• Rationale for periodontal treatment</li> <li>• Periodontal treatment for the medically compromised patient</li> <li>• Plaque control for the periodontal patient</li> <li>• Scaling and root planning, including healing of tissues</li> <li>• Antimicrobials and antiseptics in the treatment of periodontal diseases</li> <li>• Occlusal evaluation and therapy in the management of periodontal disease</li> <li>• The role of orthodontics as an adjunct to periodontal therapy</li> <li>• Current literature in the field. During weekly sessions the student has to present short summaries of articles from the latest selected journals.</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	80	Lectures p.w.	0	
Assignments & tasks:	100	Practicals p.w.	2	
Practicals:	420	Tutorials p.w.	1	
Assessments:	20			
Selfstudy:	200			
Other:	0			
<b>Total Learning Time</b>	<b>820</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 40% Final Assessment (FA): 60%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine & Periodontology
<b>Module Topic</b>	Periodontology
<b>Generic Module Name</b>	Periodontology 1B
<b>Alpha-numeric Code</b>	<b>PER823</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	35
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Oral Medicine & Periodontology) (5807)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Provide a detailed discussion of anatomy, physiology and biochemistry of the periodontium in health and disease.</li> <li>• Present a comprehensive overview of recent developments regarding the classification and epidemiology of periodontal disease.</li> <li>• Explain in detail the microbiology of periodontal disease.</li> <li>• Discuss immunology and describe host responses</li> <li>• Provide advanced non-surgical and surgical management of periodontal diseases.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• The periodontium in health and disease</li> <li>• Diagnosis and diagnostic techniques of periodontal diseases</li> <li>• Classification and controversies of periodontal diseases</li> <li>• An in depth knowledge of the epidemiology and public health aspects of periodontal disease</li> <li>• Surgical and non-surgical periodontal treatment</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None

<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	120	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	130	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	40		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>350</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 40% Final Assessment (FA): 60%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Oral Medicine & Periodontology
<b>Module Topic</b>	Periodontology
<b>Generic Module Name</b>	Periodontology 2B
<b>Alpha-numeric Code</b>	<b>PER824</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	40
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Oral Medicine & Periodontology) (5807)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Discuss in detail theoretical aspects pertaining to the management and treatment of advanced periodontal disease.</li> <li>• Manage and treat advanced periodontal disease.</li> <li>• Manage periodontal diseases in medically compromised patients.</li> <li>• Perform surgical procedures relating to periodontal therapy.</li> <li>• Perform periodontal plastic surgery.</li> <li>• Perform basic dental implant procedures.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Medically compromised patients in periodontal diseases</li> <li>• Surgical management of patients who have advanced periodontal disease</li> <li>• Chemical and antibiotic therapy in periodontology</li> <li>• Osseous defects and their management in advanced periodontal disease</li> <li>• Orthodontic movement in periodontal therapy</li> <li>• Occlusal therapy</li> <li>• Periodontal endodontic interface</li> <li>• Dental materials used in periodontal treatment</li> </ul>

	<ul style="list-style-type: none"> <li>• Basic concepts of implantology</li> <li>• Management of complications in advanced periodontal disease</li> <li>• Management of complications in implant dentistry</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	50	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	120	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	150	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	70		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>400</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 40% Final Assessment (FA): 60%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative Dentistry
<b>Module Topic</b>	Prosthodontics
<b>Generic Module Name</b>	Prosthodontics 811
<b>Alpha-numeric Code</b>	<b>PRS811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	90
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Prosthodontics) (5811)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Thoroughly discuss the principles of an optimal occlusion.</li> <li>• Restore an ideal complete posterior occlusion by means of occlusal waxing on study models mounted on an adjustable articulator.</li> <li>• Diagnose occlusal disease.</li> <li>• Perform all tooth preparations for indirect restorations to a high degree of accuracy.</li> <li>• Fabricate provisional single and multi-unit restorations, using different techniques and materials accurately following an anatomical wax-up.</li> <li>• Discuss all the laboratory procedures involved in the manufacturing of indirect fixed restorations.</li> </ul>

	<ul style="list-style-type: none"> <li>• Perform all clinical and laboratory procedures involved in the manufacturing of uncomplicated complete and partial denture cases.</li> <li>• Discuss the different implant-supported or implant-retained prostheses, diagnose prosthodontic complications, success or failure of existing implant-supported or implant-retained prostheses and propose remedial action for the failed implant prosthesis.</li> <li>• Examine, diagnose and propose treatment planning for craniomandibular cases.</li> <li>• Rehabilitate uncomplicated intra-oral and extra-oral maxillofacial defects with removable prostheses.</li> <li>• Perform root canal treatment to a high degree of accuracy, using hand and rotary instruments, perform retreatment of failed root canal therapy inclusive of the removal of foreign objects from root canals.</li> </ul>
<b>Main Content</b>	<p>The following topics will be covered:</p> <p><b>Laboratory techniques and procedures:</b></p> <ul style="list-style-type: none"> <li>• Reproduction of the occlusion using the P K Thomas occlusal waxing technique</li> <li>• The preparation of teeth for all the different indirect restorations</li> <li>• The manufacturing of provisional crowns</li> <li>• Demonstration of the fabrication of a metal ceramic crown, tinting and characterization of ceramics</li> <li>• Demonstrations of the manufacturing of special trays (spaced/non-spaced), record rims, articulation of casts, set up of teeth in different occlusal patterns, processing of complete dentures including gum-tinting. The use of semi-adjustable articulators. Jaw registration using central bearing point and alternatives.</li> </ul> <p><b>The natural dentition:</b></p> <ul style="list-style-type: none"> <li>• Principles of optimal occlusion of the natural dentition</li> <li>• Definition and diagnosis of the different stages of occlusal disease.</li> </ul> <p><b>Fixed Prosthodontics:</b></p> <ul style="list-style-type: none"> <li>• Indirect restorations of non-reconstruction cases using a variety of different techniques and materials, including all ceramics, metal ceramics, gold, etc.</li> <li>• Removable Prosthodontics: <ul style="list-style-type: none"> <li>• The different philosophies of complete denture occlusion; articulators; diagnostic dentures</li> </ul> </li> <li>• Removable partial dentures: types; design; support and retention principles.</li> <li>• Implantology</li> <li>• The servicing of existing successful or failing implant-supported or -retained restorations or prostheses.</li> </ul> <p><b>Craniomandibular Disorders:</b></p> <ul style="list-style-type: none"> <li>• Classification; diagnosis; treatment planning; bruxism; occlusal appliance therapy.</li> </ul> <p><b>Maxillofacial Prosthodontics:</b></p>

	<ul style="list-style-type: none"> <li>The restoration of intra-oral and extra-oral defects, which could include the manufacturing of implant-retained maxillofacial prostheses</li> <li>Impression techniques</li> <li>Duplicating and waxing up of facial structures</li> <li>Laboratory techniques supporting the clinical procedures</li> <li>The different materials in use for maxillofacial prosthetics.</li> </ul> <p><b>Endodontics:</b></p> <ul style="list-style-type: none"> <li>Morphology of root canals and pulp chambers</li> <li>Basic principles of root canal therapy (RCT): diagnosis of endodontic problems, different approaches to preparation, irrigation, obturation, chemical substances, medicaments and materials used during RCT.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	210	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	110	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	480	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	100		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>900</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative Dentistry
<b>Module Topic</b>	Prosthodontics
<b>Generic Module Name</b>	Prosthodontics 812
<b>Alpha-numeric Code</b>	<b>PRS812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	65
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Prosthodontics) (5811)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>Thoroughly discuss the principles guiding the prosthodontic protocol in the treatment planning and reconstruction of the different stages of occlusal disease.</li> </ul>

	<ul style="list-style-type: none"> <li>• Consult with related oral health professionals in the planning of a comprehensive treatment plan and co-ordinate the actions of the different role players in order to achieve the ideal end result for the patient.</li> <li>• Discuss when to use the possibilities of osseointegration to extend treatment modalities and long-term predictability.</li> <li>• Compose acceptable alternative treatment plans, when the ideal treatment plan cannot be performed.</li> <li>• Rehabilitate more complicated intra-oral and extra-oral maxillofacial defects with removable prostheses.</li> <li>• Discuss the properties, indications, advantages of dental materials used in prosthodontics.</li> <li>• Communicate successfully with patients regarding treatment planning, expectations, fears, fees, responsibilities regarding co-operation, aftercare and follow-up procedures.</li> </ul>
<b>Main Content</b>	<p>The following topics will be covered:</p> <p><b>The natural dentition</b></p> <ul style="list-style-type: none"> <li>• Prosthodontic protocol in the treatment of occlusal disease.</li> </ul> <p><b>Fixed Prosthodontics</b></p> <ul style="list-style-type: none"> <li>• Indirect restorations for reconstruction cases and the selection of the most appropriate materials and techniques (continued from Year 1).</li> </ul> <p><b>Removable Prosthodontics</b></p> <ul style="list-style-type: none"> <li>• Anatomically and functionally challenging situations in the construction of complete dentures</li> <li>• Immediate dentures, overdentures, temporary dentures</li> <li>• The use of adjustable articulators in the fabrication of complete dentures</li> <li>• The clinical application of different occlusal concepts</li> <li>• The removable partial dentures (RPD) as part of the occlusal reconstruction</li> <li>• Precision attachments: classification, indications, and their application for the RPD and overdenture</li> <li>• Denture aesthetics.</li> </ul> <p><b>Implantology</b></p> <ul style="list-style-type: none"> <li>• Case selection, treatment planning protocol and co-ordination of treatment for edentulous and partially edentulous patients and especially the management of new developments in the field of timing of implant placement and loading</li> <li>• Osseointegration and occlusion</li> <li>• Troubleshooting of failed implant restorations.</li> </ul> <p><b>Cranio-mandibular Disorders</b></p> <ul style="list-style-type: none"> <li>• Classification; diagnosis; treatment planning; bruxism; occlusal appliance therapy</li> <li>• The role of stress in the etiology and management of pain associated with cranio-mandibular disorders.</li> </ul>

	<b>Maxillofacial Prosthodontics</b> <ul style="list-style-type: none"> <li>• The restoration of intra-oral and extra-oral defects, which could include the manufacturing of implant-retained maxillofacial prostheses (continued from Year 1)</li> <li>• Modification of impression techniques: sectional impressions</li> <li>• Sectional prostheses</li> <li>• Speech therapy and the indications and fabrication of different speech appliances.</li> </ul> <b>Endodontics</b> <ul style="list-style-type: none"> <li>• Microbiology and pathology of pulpitis and endodontic lesions</li> <li>• Dental trauma including fracture, luxation, avulsion</li> <li>• Internal and external resorption.</li> </ul> <b>Dental material science</b> <ul style="list-style-type: none"> <li>• Impression materials</li> <li>• Temporary and definitive cements</li> <li>• Polymers</li> <li>• Ceramics</li> <li>• Alloys</li> </ul> <b>Behavioural Science and Communications training</b> <ul style="list-style-type: none"> <li>• Stress management</li> <li>• Communication skills</li> <li>• Lifeline counselling course</li> <li>• Course in sculpture or line drawing.</li> </ul>		
<b>Pre-requisite modules</b>	PRS811, ORB821		
<b>Co-requisite modules</b>	PAT811, PER812, RAD812		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	210	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	80	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	240	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	120		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>650</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative Dentistry
<b>Module Topic</b>	Prosthodontics
<b>Generic Module Name</b>	Prosthodontics 813
<b>Alpha-numeric Code</b>	<b>PRS813</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	120
<b>Duration</b>	Year

<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MDS/MChD (Prosthodontics) (5811)		
<b>Year level</b>	3		
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Demonstrate competence in the comprehensive planning and co-ordinating of treatment of periodontally, orthodontically and orthognatically compromised dentitions.</li> <li>• Demonstrate competence in the treatment of anatomically challenging edentulous patients.</li> <li>• Demonstrate competence in the treatment of partially edentulous patients with rpds as part of the reconstruction of the dentition.</li> </ul>		
<b>Main Content</b>	<p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>• The reconstruction of advanced cases of acquired occlusal disease and developmental malocclusions including Angle dental class II and III dentitions</li> <li>• The reconstruction of the occlusion after orthognathic surgery for the correction of skeletal misalignments</li> <li>• The reconstruction of dentitions with a history of periodontal disease</li> <li>• Aesthetics in the reconstruction of edentulous areas with minor to advanced tissue defects with or without the use of dental implants and fixed or removable partial dentures</li> <li>• New developments and principles guiding immediate and early loading of dental implants</li> <li>• Edentulous patients and all the different treatment modalities available using osseointegration</li> <li>• Advanced techniques in the manufacturing of rpds rehabilitation of complex maxillofacial defects.</li> </ul>		
<b>Pre-requisite modules</b>	PRS812, PAT811, PER812, RAD812		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	200	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	700	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	200		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>1200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Restorative Dentistry		
<b>Module Topic</b>	Prosthodontics		
<b>Generic Module Name</b>	Prosthodontics 814		
<b>Alpha-numeric Code</b>	<b>PRS814</b>		
<b>NQF Level</b>	9		
<b>NQF Credit Value</b>	80		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MDS/MChD (Prosthodontics) (5811)		
<b>Year level</b>	4		
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>Rehabilitate and maintain the oral function, comfort, appearance and health of patients with clinical challenging conditions associated with missing or deficient teeth and/or oral and maxillofacial tissues using biocompatible substitutes.</li> </ul>		
<b>Main Content</b>	<p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>New and actual developments in all aspects of prosthodontics using the knowledge of the previous years as a referral framework.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	80	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	430	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	180		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>800</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Formal Assessment (CFA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Prosthetic Dentistry		
<b>Module Topic</b>	Prosthetic Dentistry		
<b>Generic Module Name</b>	Prosthetic Dentistry 853		
<b>Alpha-numeric Code</b>	<b>PRS853</b>		
<b>NQF Level</b>	9		
<b>NQF Credit Value</b>	80		
<b>Duration</b>	Year		

<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Restorative Dentistry) (5801)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <p><b>Partial removable dentures</b></p> <ul style="list-style-type: none"> <li>• Examine, diagnose, compose ideal and alternative treatment plans for partially edentulous patients.</li> <li>• Perform preclinical and all clinical techniques involved in the construction of partial dentures.</li> <li>• Recognize complications and anticipate difficult treatment regimens in the partially edentulous patient.</li> </ul> <p><b>Removable complete dentures</b></p> <ul style="list-style-type: none"> <li>• Examine, diagnose, and compose ideal and alternative treatment plans for the edentulous patient.</li> <li>• Perform all preclinical and clinical techniques involved in the construction of complete dentures.</li> <li>• Recognize complications and use difficult treatment regimens in the edentulous patient with a variety of oral anatomic characteristics and management problems.</li> </ul> <p><b>Maxillofacial prosthodontics</b></p> <ul style="list-style-type: none"> <li>• Examine, diagnose, compose ideal and alternative treatment plans for patients with intra-oral and extra-oral maxillofacial defects due to disease and trauma, as well as congenital and developmental defects.</li> <li>• Perform preclinical and all clinical techniques involved in the reconstruction of those defects, including the use of osseointegrating implants.</li> <li>• Communicate with other health professionals regarding the treatment of the maxillofacial patient.</li> </ul> <p><b>Cranio-mandibular disorders</b></p> <ul style="list-style-type: none"> <li>• Explain the aetiology of cranio-mandibular problems.</li> <li>• Comprehensively examine a patient with a cranio-mandibular disorder.</li> <li>• Manage, treat and/or refer a patient with a cranio-mandibular disorder.</li> <li>• Communicate with other health professionals involved in the treatment of cranio-mandibular disorders.</li> </ul> <p><b>Dental materials</b></p> <ul style="list-style-type: none"> <li>• Evaluate the choice of dental materials, related to their properties, indications, and advantages as used in prosthodontics.</li> </ul>
<b>Main Content</b>	<p><b>Partial removable dentures</b></p> <ul style="list-style-type: none"> <li>• Biocompatibility, composition, chemical and physical properties of materials used in and during construction of partial dentures.</li> <li>• Partial denture design.</li> <li>• Principles of support and retention for removable partial dentures.</li> <li>• Denture aesthetics.</li> </ul>

	<ul style="list-style-type: none"> <li>Precision attachments: classification, indications and their application for the RPD and over denture.</li> </ul> <p><b>Removable complete dentures</b></p> <ul style="list-style-type: none"> <li>Biocompatibility, composition, chemical and physical properties of materials used in and during construction of complete dentures.</li> <li>Immediate and Over dentures, temporary and challenging complete dentures</li> <li>Preprosthetic surgery.</li> <li>Denture aesthetics.</li> </ul> <p><b>Maxillofacial prosthodontics</b></p> <ul style="list-style-type: none"> <li>Intra-oral maxillary prostheses.</li> <li>Intra-oral sectional prostheses.</li> <li>Intra-oral mandibular prostheses.</li> <li>The use of osseointegration in the reconstruction of maxillofacial defects.</li> </ul> <p><b>Craniomandibular disorders</b></p> <ul style="list-style-type: none"> <li>Optimal and non-optimal occlusion of the natural dentition.</li> <li>The role of occlusion in craniomandibular disorders.</li> <li>Occlusion for implant prostheses.</li> <li>The role of stress in the aetiology and management of pain associated with craniomandibular disorders.</li> <li>The role of medication in the management of craniomandibular disorders.</li> <li>Occlusal bite plane therapy.</li> </ul> <p><b>Dental materials science</b></p> <ul style="list-style-type: none"> <li>Impression materials.</li> <li>Polymers, Alloys, Ceramics.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	90	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	500	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	100		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>800</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Department of Physiology, University of Stellenbosch		
<b>Module Topic</b>	Physiology		
<b>Generic Module Name</b>	Physiology for MFOS		
<b>Alpha-numeric Code</b>	<b>PSE811</b>		
<b>NQF Level</b>	9		
<b>NQF Credit Value</b>	15		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MDS/MChD (MFOS) (5811)		
<b>Year level</b>	1 or 2		
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of physiology.</li> <li>• Utilize information technology to access appropriate information on physiology.</li> <li>• Describe, discuss and apply the knowledge of physiology.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Cell physiology and biology</li> <li>• Immunology</li> <li>• Haematology</li> <li>• Cardiovascular/circulation system</li> <li>• Respiratory system</li> <li>• Kidney and acid base balance</li> <li>• Gastrointestinal/liver</li> <li>• Endocrine/metabolism</li> <li>• Central nervous system and muscle physiology</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecture / tutor:</i>	10	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	90		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>150</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry		
<b>Home Department</b>	Diagnostic Sciences		
<b>Module Topic</b>	Radiology		
<b>Generic Module Name</b>	Radiology 812		
<b>Alpha-numeric Code</b>	RAD812		
<b>NQF Level</b>	9		
<b>NQF Credit Value</b>	5		
<b>Duration</b>	Year		
<b>Proposed semester to be offered</b>	Both Semesters		
<b>Programmes in which the module will be offered</b>	MSc (Restorative Dentistry) (5801) MDS/MChD (Prosthodontics) (5811)		
<b>Year level</b>	1,2		
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Discuss the normal anatomy of the maxillofacial region including the anatomy of the temporo-mandibular joint as seen on CT &amp; MRI.</li> <li>• Discuss the concepts of the panoramic image, cephalometric and implant radiography and digital imaging.</li> <li>• Apply the basic principles of diagnostic imaging in the interpretation of lesions of the maxillofacial region.</li> <li>• Recognize the more common abnormalities affecting the maxillofacial region as well as the signs and symptoms of important malignant lesions and present an acceptable differential diagnosis.</li> <li>• Write a radiological report of high standard.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Principles of Diagnostic Imaging</li> <li>• Concepts in understanding Pantomography</li> <li>• Panoramic Anatomy</li> <li>• Lesions at the apex of a tooth</li> <li>• Cysts and Tumours of the jaws</li> <li>• Important Systemic and Malignant lesions affecting the jaws</li> <li>• TMJ Imaging</li> <li>• Implant Radiology</li> <li>• Important developments in Imaging Technologies</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	10	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	10	<i>Practicals p.w.</i>	1
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	30		

<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>50</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Department of Physics, UWC
<b>Module Topic</b>	Radiation Physics/Radiation Protection
<b>Generic Module Name</b>	Radiation Physics/Radiation Protection 821
<b>Alpha-numeric Code</b>	<b>RAD821</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	10
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Maxillofacial Radiology) (5807)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the interaction of radiation with matter.</li> <li>• Describe the instrumentation used to produce x-rays.</li> <li>• Discuss the factors affecting the quality of x-ray images.</li> <li>• Explain the biological effects and measurement of radiation.</li> <li>• Discuss the current ionizing radiation regulations, or its subsequent revisions.</li> </ul>
<b>Main Content</b>	<p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>• Structure of matter: the atom, atomic x-ray levels, electromagnetic radiation, production of x-rays</li> <li>• The x-ray tube: the anode, cathode, transformers, voltage rectification, basic x-ray circuit</li> <li>• Physics of x-ray production:</li> <li>• Bremsstrahlung, characteristic x-rays, x-ray energy spectrum, operating characteristics</li> <li>• Interaction of radiation with matter: ionization, photoelectric effect, Compton scattering, pair production</li> <li>• Production of x-ray images: image formation and contrast</li> <li>• Factors affecting the quality of x-ray images: radiographic contrast scattered radiation and contrast, radiographic receptors</li> <li>• Measurement of absorbed dose: absorbed dose, dose measurements</li> <li>• Radiation protection: patient exposure and protection, personnel protection</li> <li>• Current Ionizing Radiation Regulations (or subsequent revisions)</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None

<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	20	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	15	<i>Practicals p.w.</i>	1
<i>Clinical:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	5		
<i>Selfstudy:</i>	60		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>100</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		
<b>Assessment Module type</b>	Final Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostics and Radiology
<b>Module Topic</b>	Radiographic Techniques
<b>Generic Module Name</b>	Radiographic Techniques 822
<b>Alpha-numeric Code</b>	<b>RAD822</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Maxillofacial Radiology) (5807)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Perform all the relevant intra and extra-oral radiographic procedures as applied in maxillofacial radiology.</li> <li>• Discuss and apply advanced imaging modalities such as mri, ct and ultrasound in the maxillofacial region.</li> <li>• Write a responsible radiological report on any maxillofacial radiograph including mri/ct and ultrasound referred to him or her.</li> <li>• Make an acceptable provisional diagnosis of any suspected lesion of the maxillofacial region, inclusive of an acceptable differential diagnosis.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Origin of maxillofacial radiography</li> <li>• Intra-oral radiographic anatomy</li> <li>• The radiographic film</li> <li>• Intra-oral radiographic techniques</li> <li>• Film handling and processing</li> <li>• Extra-oral radiographic anatomy including panoramic anatomy</li> <li>• Extra-oral radiographic techniques including Pantomography</li> </ul>

	<ul style="list-style-type: none"> <li>Principles of: tomography, CT, MRI, digital imaging and diagnostic ultrasound</li> <li>Infection control in Maxillofacial Radiography</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	40	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	30	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	80	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	20		
<i>Selfstudy:</i>	30		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostics and Radiology
<b>Module Topic</b>	Signs in Maxillofacial Imaging
<b>Generic Module Name</b>	Signs in Maxillofacial Imaging 823
<b>Alpha-numeric Code</b>	<b>RAD823</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	35
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Maxillofacial Radiology) (5807)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>Write a responsible radiological report on any maxillofacial radiograph including MRI/CT and ultrasound referred to him or her.</li> <li>Make an acceptable provisional diagnosis of any suspected lesion of the maxillofacial region inclusive of an acceptable differential diagnosis.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>Principles of Image Interpretation</li> <li>The systematic approach</li> <li>Observation and interpretation</li> <li>Dental signs</li> <li>Radiolucencies of the jaws</li> <li>Primary opaque or mixed lucent/opaque conditions</li> <li>Craniofacial signs</li> <li>Temporomandibular signs</li> </ul>

	<ul style="list-style-type: none"> <li>• Maxillary and maxillary sinus signs</li> <li>• Soft tissue signs</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	20	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	180	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	20		
<i>Selfstudy:</i>	80		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>350</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Diagnostics and Radiology
<b>Module Topic</b>	Maxillofacial Radiology and Diagnostic Interpretation
<b>Generic Module Name</b>	Maxillofacial Radiology and Diagnostic Interpretation
<b>Alpha-numeric Code</b>	<b>RAD824</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	80
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Maxillofacial Radiology) (5807)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Discuss and perform all those intra-oral and extra-oral radiographic techniques that are normally undertaken in a maxillofacial radiology department. (a detailed knowledge is required for those techniques which a candidate is expected to have carried out personally on his /her own during the year of training).</li> <li>• Discuss the basic principles underlying the techniques used in ct, mri, ultrasound, arteriography, nuclear medicine and interventional radiology.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• History of maxillofacial radiology</li> <li>• Principles of image interpretation</li> <li>• Classification of maxillofacial images</li> <li>• Developmental dental abnormalities</li> <li>• Developmental anomalies of the skull and jaws</li> <li>• Traumatic injuries of the maxillofacial region</li> <li>• Infections of the teeth and jaws</li> </ul>

	<ul style="list-style-type: none"> <li>• Cysts of the jaws</li> <li>• Odontogenic tumors</li> <li>• Benign tumors of the jaws</li> <li>• Malignant tumors of the jaws</li> <li>• Fibro-osseous lesions</li> <li>• Metabolic and systemic diseases</li> <li>• Radiology of the temporo-mandibular joint</li> <li>• Radiology of the paranasal sinuses</li> <li>• Salivary gland disorders</li> <li>• Dystrophic calcifications</li> <li>• Advanced imaging interpretation principles</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	480	<i>Tutorials p.w.</i>	1
<i>Assessments:</i>	20		
<i>Selfstudy:</i>	100		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>800</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Oral Health
<b>Module Topic</b>	Research Methods
<b>Generic Module Name</b>	Research Methods
<b>Alpha-numeric Code</b>	<b>RMT811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Dental Public Health) (5807); MSc (Forensic Dentistry) (5807); MSc (Maxillofacial Radiology) (5807); MSc (Oral Medicine) (5807); MSc (Periodontology) (5807); MSc (Oral Pathology) (5807); MSc (Paediatric Dentistry) (5801); MSc (Restorative Dentistry) (5801); MDS/MChD (Community Dentistry) (5881); MDS/MChD (Maxillofacial & Oral Surgery) (5811); MDS/MChD (Oral Pathology) (5881); MDS/MChD (Orthodontics) (5811); MDS/MChD (Prosthodontics) (5811); MDS/MChD (Oral Medicine and Periodontics) (5811)
<b>Year level</b>	1: 2

<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Define a research problem, aim, objectives.</li> <li>• Write a literature review.</li> <li>• Prepare a viable research protocol.</li> <li>• Present the research protocol to Faculty.</li> <li>• Describe key ethical, moral and social principles informing human rights.</li> <li>• Explain the ethical principles of health care.</li> <li>• Apply the principles of ethics to selected research and clinical case studies.</li> </ul>		
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Core logic of a research proposal</li> <li>• Literature review</li> <li>• Research protocol</li> <li>• Notions of ethics, health and human rights</li> <li>• Ethical challenges in health research and clinical practice</li> <li>• Acts, guidelines and ethical codes of practice for health researchers &amp; clinicians</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	100	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	75	<i>Practicals p.w.</i>	0
<i>Presentations:</i>	25	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	0		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative Cluster
<b>Module Topic</b>	Restorative Dentistry
<b>Generic Module Name</b>	Restorative Dentistry 1
<b>Alpha-numeric Code</b>	<b>RST811</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	100
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Restorative Dentistry) (5801)
<b>Year level</b>	1

<b>Main Outcomes</b>	On completion of this module, students should be able to: <ul style="list-style-type: none"> <li>• Perform all the preclinical techniques involved in the construction of fixed and removable prostheses.</li> <li>• Describe the composition, chemical and physical properties of materials and recommend the use of these in and during construction of fixed and removable prostheses.</li> <li>• Diagnose occlusal disease.</li> </ul>			
<b>Main Content</b>	<b>Preclinical basic and advanced restorative dentistry</b> <ul style="list-style-type: none"> <li>• Perform all the preclinical techniques involved in basic restorative procedures.</li> <li>• Perform all the preclinical techniques involved in the construction of fixed prostheses.</li> <li>• Describe the composition, chemical and physical properties of materials used in and during construction of fixed prostheses.</li> <li>• Explain the basic principles of root canal therapy (RCT); diagnosis of endodontic problems, preparation, irrigation, obturation medicaments and materials used in RCT</li> </ul> <b>Complete and partial removable prosthetics</b> <ul style="list-style-type: none"> <li>• Perform all laboratory techniques and procedures in the construction of complete and partial removable dentures.</li> <li>• Correctly use different types of articulators, including semi-adjustable ones</li> <li>• Describe the composition, chemical and physical properties of materials used in and during construction of removable prostheses</li> <li>• Explain the different philosophies of complete denture occlusion, diagnostic dentures</li> </ul> <b>Research</b> <ul style="list-style-type: none"> <li>• Explain the basic principles of scanning electron microscopy</li> </ul>			
<b>Pre-requisite modules</b>	None			
<b>Co-requisite modules</b>	None			
<b>Prohibited module Combination</b>	None			
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>	
<i>Contact with lecturer / tutor:</i>	380	<i>Lectures p.w.</i>	0	
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0	
<i>Practicals:</i>	220	<i>Tutorials p.w.</i>	0	
<i>Assessments:</i>	0			
<i>Selfstudy:</i>	300			
<i>Other:</i>	0			
<b>Total Learning Time</b>	<b>1000</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			
<b>Assessment Module type</b>	Continuous Assessment (CA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative Cluster
<b>Module Topic</b>	Restorative Dentistry
<b>Generic Module Name</b>	Restorative Dentistry 2
<b>Alpha-numeric Code</b>	<b>RST812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	100
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Restorative Dentistry) (5801)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Complete a comprehensive treatment plan and coordinate treatment of and management of the periodontally and prosthodontically compromised dentition.</li> <li>• Synthesize the behavioural and bio-psycho social aspects of a diverse group of patients requiring specialized care.</li> <li>• Examine and manage partially dentate patients presenting with complications, including anatomically challenged ones (e.g. geriatrics).</li> <li>• Evaluate properties of all dental materials used in prosthodontics and recommend appropriate use of each.</li> </ul>
<b>Main Content</b>	<p><b>Basic and advanced restorative dentistry</b></p> <ul style="list-style-type: none"> <li>• Principles of occlusion of the natural dentition</li> <li>• Definition and diagnosis of the different stages of occlusal disease</li> <li>• Provisional restoration design, resin-bonded bridges, endodontically treated teeth, and impression techniques</li> <li>• Prosthodontic protocol for the rehabilitation of occlusal disease including: the worn dentition, the periodontally compromised patient.</li> <li>• Dental materials and the Science Impression materials</li> </ul> <p><b>Complete and partial removable prosthetics</b></p> <ul style="list-style-type: none"> <li>• Biocompatibility, composition, chemical and physical properties of materials used in and during the construction of complete and partial dentures</li> <li>• Principles of support and retention</li> <li>• Diagnostic dentures, immediate dentures, transitional dentures, over dentures, attachment systems, and the relining and rebasing of dentures</li> <li>• Denture aesthetics</li> <li>• Philosophies of complete denture occlusion including different occlusal schemes and tooth forms</li> <li>• Precision attachments</li> </ul> <p><b>Cranio-mandibular disorders</b></p> <ul style="list-style-type: none"> <li>• Optimal occlusion of the natural dentition and with dentures and implants</li> </ul>

	<ul style="list-style-type: none"> <li>• The role of occlusion in cranio-mandibular disorders</li> <li>• The role of medication in the management of cranio-mandibular disorders</li> <li>• The role of surgery, orthodontics, prosthodontics.</li> <li>• Occlusal bite plane therapy</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer: / tutor:</i>	90	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	110	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	600	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	200		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>1000</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Restorative Cluster
<b>Module Topic</b>	Restorative Dentistry
<b>Generic Module Name</b>	Restorative Dentistry 813
<b>Alpha-numeric Code</b>	<b>RST813</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	80
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MSc (Restorative Dentistry) (5801)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Complete comprehensive planning and reconstruction of the prosthodontically compromised dentitions.</li> <li>• Recommend acceptable alternatives when the ideal treatment plans cannot be performed, including implant procedures.</li> <li>• Evaluate prosthodontic complications, success or failure of existing implant-retained prostheses and proposed remedial action for the failed implant prostheses.</li> </ul>
<b>Main Content</b>	<p><b>Advanced restorative dentistry</b></p> <ul style="list-style-type: none"> <li>• Prosthodontic protocol in the treatment planning for the single missing tooth</li> <li>• Implantology.</li> </ul>

	<ul style="list-style-type: none"> <li>• Communication between different disciplines involved in implant therapy</li> </ul> <b>Complete and partial removable prosthetics</b> <ul style="list-style-type: none"> <li>• Prosthodontic protocol in the treatment planning for the partially edentulous and completely edentulous patient (incl. the geriatric patient)</li> <li>• Occlusion and implant-retained or supported prostheses.</li> <li>• New and actual developments in all aspects of prosthodontics using their knowledge of the previous years as a referral framework.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	90	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	100	<i>Practicals p.w.</i>	0
<i>Clinical:</i>	500	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	10		
<i>Selfstudy:</i>	100		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>800</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Community Health, Faculty of Health Sciences, University of Stellenbosch
<b>Module Topic</b>	Epidemiology & Biostatistics
<b>Generic Module Name</b>	Epidemiology & Biostatistics 813
<b>Alpha-numeric Code</b>	<b>SPH813 (Alternate)</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	20
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (Community Dentistry) (5881)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, student should be able to:</p> <ul style="list-style-type: none"> <li>• Explain the etiology of health conditions.</li> <li>• Determine if health related data are consistent with hypotheses and current biomedical knowledge.</li> <li>• Provide a basis for developing control measures and prevention procedures for populations at risk.</li> <li>• Critique the scientific validity of published research.</li> </ul>

	<ul style="list-style-type: none"> <li>• Demonstrate knowledge and integration of key concepts in epidemiology.</li> <li>• Evaluate factors determining the frequency and distribution of health related events.</li> <li>• Evaluate studies of health systems.</li> <li>• Discuss the role and functions of statistics and statisticians in epidemiological health research.</li> <li>• Use basic descriptive and inferential statistical methods to summarise and interpret bio-medical research data.</li> </ul>		
<b>Main Content</b>	<p><b>Epidemiology:</b></p> <ul style="list-style-type: none"> <li>• Basic tools of epidemiology (e.g. rates, ratios, proportions, morbidity, mortality)</li> <li>• Influence of demographics and population dynamics on disease and health</li> <li>• Evaluation of health research and research designs</li> <li>• Screening and surveillance</li> <li>• Sampling</li> <li>• Bias in research design</li> <li>• Epidemiology of infective diseases (outbreaks)</li> <li>• Ethics of epidemiological research</li> <li>• Epidemiology research proposals and reports</li> </ul> <p><b>Biostatistics:</b></p> <ul style="list-style-type: none"> <li>• Descriptive statistics</li> <li>• Measures of location</li> <li>• Measures of variability</li> <li>• Organization of multivariate data</li> <li>• Probability</li> <li>• Sampling distributions</li> <li>• Confidence intervals</li> <li>• Hypothesis testing and statistical inference</li> <li>• Simple linear regression and correlation</li> <li>• Paired and pooled t-tests</li> <li>• Non-parametric and distribution-free statistics</li> <li>• Analysis of variance</li> <li>• Sampling and sampling sizes</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	150	<i>Lectures p.w.</i>	1
<i>Assignments &amp; tasks:</i>	400	<i>Practicals p.w.</i>	1
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	50		
<i>Selfstudy:</i>	600		
<b>Total Learning Time</b>	<b>1200</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 25% Final Assessment (FA): 75%		
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)		

<b>Faculty</b>	Community and Health Sciences
<b>Home Department</b>	School of Public Health
<b>Module Topic</b>	Measuring Health & Disease - Intermediate Epidemiology
<b>Generic Module Name</b>	Intermediate Epidemiology 856
<b>Alpha-numeric Code</b>	<b>SPH856</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	15
<b>Duration</b>	Semester
<b>Proposed semester to be offered</b>	First Semester
<b>Programmes in which the module will be offered</b>	MSc (Oral Pathology) (5807)
<b>Year level</b>	1
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Recognize prominent global and national trends in health and disease.</li> <li>• Critically review and interpret epidemiological information.</li> <li>• Interpret key epidemiological indicators of community health and illness.</li> <li>• Appraise epidemiology research findings.</li> <li>• Apply descriptive epidemiology concepts and principles to effective Public Health practice.</li> <li>• Formulate and test a hypothesis by applying analytical statistics.</li> <li>• Use a statistical software package, to analyse epidemiological data.</li> <li>• Write an epidemiological report.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Concepts of epidemiological health information</li> <li>• The health transition</li> <li>• The natural history of disease</li> <li>• Risk, association and causation Common epidemiological investigations (infectious diseases, outbreaks, screening and surveillance)</li> <li>• Study designs</li> <li>• Data management</li> <li>• The analysis and interpretation of data</li> <li>• Representation of health information and reporting on an epidemiological event</li> <li>• The role and structure of literature review</li> <li>• Critical appraisal of literature</li> <li>• The role of systematic reviews and meta-analyses in evidence-based Public Health</li> </ul>
<b>Pre-requisite modules</b>	None
<b>Co-requisite modules</b>	None
<b>Prohibited module Combination</b>	None

Breakdown of Learning Time	Hours	Timetable Requirement per week		Other teaching modes that does not require time-table
Contact with lecturer / tutor:	30	Lectures p.w.	0	
Assignments & tasks:	60	Practicals p.w.	0	
Practicals:	0	Tutorials p.w.	0	
Assessments:	0			
Selfstudy:	60			
Other:	0			
<b>Total Learning Time</b>	<b>150</b>			
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 40% Final Assessment (FA): 60%			
<b>Assessment Module type</b>	Continuous and Final Assessment (CFA)			

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Principles of General Surgery
<b>Generic Module Name</b>	Principles of General Surgery 812
<b>Alpha-numeric Code</b>	<b>SUR812</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	40
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (MFOS) (5811)
<b>Year level</b>	2
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of the principles of general surgery, especially in Intensive Care, Neurosurgery and Plastic Surgery.</li> <li>• Utilize information technology to access appropriate information on the principles of general surgery, especially in Intensive Care, Neurosurgery and Plastic Surgery.</li> <li>• Examine, diagnose and manage the surgical patient.</li> <li>• Manage the intensive care patient.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Intensive care</li> <li>• Pre-operative and post-operative care</li> <li>• Post-operative pain relief</li> <li>• Ventilation/mechanical ventilation</li> <li>• Advanced CPR</li> <li>• Dysrhythmia, heart failure</li> <li>• Fluid therapy, electrolyte disturbances</li> <li>• Blood transfusions and coagulation problems</li> <li>• Feeding (intraparental and extraparental)</li> <li>• DM</li> <li>• Steroids</li> <li>• Post-operative fever</li> <li>• Shock and multiple organ failure</li> <li>• Aspiration and respiratory emergency syndrome</li> </ul>

	<ul style="list-style-type: none"> <li>• Fat embolism</li> <li>• Acute kidney failure</li> <li>• Liver failure and jaundice</li> <li>• DVT and Pulmonary embolism</li> <li>• Stress ulcer</li> <li>• Infections, infection control and management</li> <li>• Intensive care medications</li> <li>• Endocrine crises</li> <li>• Plastic Surgery</li> <li>• Principles of wound management</li> <li>• Burn wounds</li> <li>• Principles of wound covering</li> <li>• Wound healing</li> <li>• Maxillofacial and Oral Surgery</li> <li>• Diagnosis and emergency management of facial fractures</li> <li>• Management of head and neck infections</li> <li>• Management of head and neck gunshot wounds</li> <li>• Ear-, Nose- and Throat Surgery</li> <li>• Vertigo</li> <li>• Acute sinusitis</li> <li>• Otitis external and media</li> <li>• Epistaxis</li> <li>• ENT trauma</li> <li>• Tracheostomy</li> <li>• Upper respiratory obstruction</li> <li>• Neuro Surgery</li> <li>• Head injuries</li> <li>• Delirium, coma and brain death</li> <li>• Intra-cranial infections</li> <li>• Spinal cord injuries and compression</li> <li>• Orthopaedic Surgery</li> <li>• Fractures and dislocations</li> <li>• Spinal injuries</li> <li>• Plegic patient management</li> <li>• Injuries of the hand</li> <li>• Sepsis</li> <li>• Paediatric Surgery</li> <li>• Pre-operative management of children</li> <li>• CPR</li> <li>• Moisture balance</li> <li>• Electrolytes</li> <li>• Trauma</li> <li>• Cardio-Thoracic Surgery</li> <li>• Trauma</li> <li>• Pneumo/haemothorax</li> <li>• Sepsis</li> <li>• General Surgery</li> <li>• Trauma</li> <li>• Sepsis</li> <li>• Vascular Trauma</li> <li>• Ophthalmology</li> </ul>
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	<ul style="list-style-type: none"> <li>• Trauma</li> <li>• Sepsis</li> <li>• Urology</li> <li>• Trauma</li> <li>• Sepsis</li> <li>• Urine obstruction.</li> <li>• Organ transplantation.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	20	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	230	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	100		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>400</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		
<b>Assessment Module type</b>	Final Assessment (FA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Maxillofacial and Oral Surgery
<b>Module Topic</b>	Principles of General Surgery
<b>Generic Module Name</b>	Principles of General Surgery 813
<b>Alpha-numeric Code</b>	<b>SUR813</b>
<b>NQF Level</b>	9
<b>NQF Credit Value</b>	40
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	MDS/MChD (MFOS) (5811)
<b>Year level</b>	3
<b>Main Outcomes</b>	<p>On completion of this module, students should be able to:</p> <ul style="list-style-type: none"> <li>• Critically discuss the literature pertaining to the field of the principles of general surgery, especially in Intensive Care, Neurosurgery and Plastic Surgery.</li> <li>• Utilize information technology to access appropriate information on the principles of general surgery, especially in Intensive Care, Neurosurgery and Plastic Surgery.</li> <li>• Examine, diagnose and manage the surgical patient.</li> <li>• Manage the intensive care patient.</li> </ul>
<b>Main Content</b>	<ul style="list-style-type: none"> <li>• Intensive care</li> <li>• Pre-operative and post-operative care</li> </ul>

	<ul style="list-style-type: none"> <li>• Post-operative pain relief</li> <li>• Ventilation/mechanical ventilation</li> <li>• Advanced CPR</li> <li>• Dysrhythmia, heart failure</li> <li>• Fluid therapy, electrolyte disturbances</li> <li>• Blood transfusions and coagulation problems</li> <li>• Feeding (intraparental and extraparental)</li> <li>• DM</li> <li>• Steroids</li> <li>• Post-operative fever</li> <li>• Shock and multiple organ failure</li> <li>• Aspiration and respiratory emergency syndrome</li> <li>• Fat embolism</li> <li>• Acute kidney failure</li> <li>• Liver failure and jaundice</li> <li>• DVT and Pulmonary embolism</li> <li>• Stress ulcer</li> <li>• Infections, infection control and management</li> <li>• Intensive care medications</li> <li>• Endocrine crises</li> <li>• Plastic Surgery</li> <li>• Principles of wound management</li> <li>• Burn wounds</li> <li>• Principles of wound covering</li> <li>• Wound healing</li> <li>• Maxillofacial and Oral Surgery</li> <li>• Diagnosis and emergency management of facial fractures</li> <li>• Management of head and neck infections</li> <li>• Management of head and neck gunshot wounds</li> <li>• Ear-, Nose- and Throat Surgery</li> <li>• Vertigo</li> <li>• Acute sinusitis</li> <li>• Otitis external and media</li> <li>• Epistaxis</li> <li>• ENT trauma</li> <li>• Tracheostomy</li> <li>• Upper respiratory obstruction</li> <li>• Neuro Surgery</li> <li>• Head injuries</li> <li>• Delirium, coma and brain death</li> <li>• Intra-cranial infections</li> <li>• Spinal cord injuries and compression</li> <li>• Orthopaedic Surgery</li> <li>• Fractures and dislocations</li> <li>• Spinal injuries</li> <li>• Plegic patient management</li> <li>• Injuries of the hand</li> <li>• Sepsis</li> <li>• Paediatric Surgery</li> <li>• Pre-operative management of children</li> <li>• CPR</li> </ul>
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	<ul style="list-style-type: none"> <li>• Moisture balance</li> <li>• Electrolytes</li> <li>• Trauma</li> <li>• Cardio-Thoracic Surgery</li> <li>• Trauma</li> <li>• Pneumo/haemothorax</li> <li>• Sepsis</li> <li>• General Surgery</li> <li>• Trauma</li> <li>• Sepsis</li> <li>• Vascular Trauma</li> <li>• Ophthalmology</li> <li>• Trauma</li> <li>• Sepsis</li> <li>• Urology</li> <li>• Trauma</li> <li>• Sepsis</li> <li>• Urine obstruction.</li> <li>• Organ transplantation.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	20	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	50	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	230	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	100		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>400</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 0% Final Assessment (FA): .100%		
<b>Assessment Module type</b>	Final Assessment (FA)		

<b>Faculty</b>	Dentistry
<b>Home Department</b>	Department of the field of study, Dental Faculty
<b>Module Topic</b>	PhD (Full Thesis)
<b>Generic Module Name</b>	PhD (Full Thesis) 901/902
<b>Alpha-numeric Code</b>	<b>DNT901/902</b>
<b>NQF Level</b>	10
<b>NQF Credit Value</b>	360
<b>Duration</b>	Year
<b>Proposed semester to be offered</b>	Both Semesters
<b>Programmes in which the module will be offered</b>	PhD (Full Thesis) (5901)
<b>Year level</b>	1

<b>Main Outcomes</b>	<p>On completion of this module, students should have:</p> <ul style="list-style-type: none"> <li>• Made a substantial original contribution to knowledge in the field of oral health.</li> </ul> <p>To achieve this, the student may EITHER:</p> <ul style="list-style-type: none"> <li>• Propose a research question with the potential to make a substantial original contribution to oral health.</li> <li>• Prepare, present and register a viable research protocol in the Faculty of Dentistry.</li> <li>• Carry out and report on this research in a 60 000-100 000 word dissertation. <b>OR</b></li> </ul> <p>The student may:</p> <ul style="list-style-type: none"> <li>• Propose a set of research questions or theme that represents a substantial independent and original contribution to oral health research already published by the student.</li> <li>• Prepare a portfolio incorporating these publications in a coherently argued dissertation.</li> </ul>		
<b>Main Content</b>	<p>The primary task is to:</p> <ul style="list-style-type: none"> <li>• Design, implement and report on original oral health research.</li> <li>• Research topics may derive from any area of oral health but may also extend across other disciplines or fields that impact upon the research question being addressed.</li> </ul> <p>Other activities may include:</p> <ul style="list-style-type: none"> <li>• Personal skills development to support the research activity, grant writing, the search and review of existing evidence, data collection and analysis, consultation with advisors and preparation of an accurate and reader-friendly report.</li> </ul>		
<b>Pre-requisite modules</b>	None		
<b>Co-requisite modules</b>	None		
<b>Prohibited module Combination</b>	None		
<b>Breakdown of Learning Time</b>	<b>Hours</b>	<b>Timetable Requirement per week</b>	<b>Other teaching modes that does not require time-table</b>
<i>Contact with lecturer / tutor:</i>	200	<i>Lectures p.w.</i>	0
<i>Assignments &amp; tasks:</i>	0	<i>Practicals p.w.</i>	0
<i>Practicals:</i>	0	<i>Tutorials p.w.</i>	0
<i>Assessments:</i>	0		
<i>Selfstudy:</i>	2200		
<i>Other:</i>	0		
<b>Total Learning Time</b>	<b>2400</b>		
<b>Methods of Student Assessment</b>	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		
<b>Assessment Module type</b>	Continuous Assessment (CA)		

## EXPLANATION OF SYMBOLS AND REMARKS ON ACADEMIC TRANSCRIPT

<b>A</b>	75-100%	Pass with Distinction
<b>B</b>	70-74%	Pass
<b>C</b>	60-69%	Pass
<b>D</b>	50-59%	Pass
<b>E</b>	45-49%	Fail
<b>F</b>	40-44%	Fail
<b>G</b>	39-0%	Fail
<b>No Year mark</b>		Absent from the examination: No results
<b>SPG</b>		Absent from the examination but with special permission to write the supplementary examination on medical or non-medical grounds.
<b>SAG</b>		Supplementary examination granted on academic grounds.
<b>SUB</b>		Failed to obtain the required sub minimum and have to repeat the course.
<b>Ceased Programme</b>		Ceased studying the programme.
<b>DNQ</b>		Did not qualify to write the examination.
<b>ABS</b>		Absent from the examination.
<b>SDA</b>		Senate Discretionary Assessment granted.
<b>External Credit Transfer</b>		An external module completed at another institution deemed equivalent to be credited toward a qualification for which the student is registered.
<b>Internal Credit Transfer</b>		A module completed at this institution credited toward a qualification for which the student is registered.