

**2009**

---

**Faculty of Dentistry**  
**(a) Undergraduate**

## CONTENTS

	Page No
<b>LOCATION</b> .....	4
<b>BACKGROUND – THE FACULTY OF DENTISTRY AND THE ACADEMIC ORAL HEALTH CENTRE</b> .....	5
<b>CORRESPONDENCE WITH THE UNIVERSITY</b> .....	6
<b>SECTION A</b>	
FACULTY BOARD .....	9
LECTURING STAFF .....	9
FACULTY ADMINISTRATIVE STAFF .....	15
HONORARY & PART-TIME STAFF .....	15
<b>SECTION B</b>	
<b>THE FACULTY OF DENTISTRY &amp; WHO COLLABORATING CENTRE FOR ORAL HEALTH</b>	
DEGREES AND DIPLOMAS IN THE FACULTY OF DENTISTRY .....	17
RULES FOR THE BChD DEGREE .....	17
Admission requirements .....	17
Recognition of prior learning (RPL).....	18
Re-admission requirements.....	18
Interruption of studies .....	18
Other requirements.....	18
Hepatitis B vaccine .....	18
Attendance at lectures, practical etc .....	18
Instrumentation .....	19
Composition of BChD Curriculum.....	19
<b>ASSESSMENT AND PROMOTION RULES</b> .....	21
Promotion.....	22
BChD I .....	22
BChD II .....	23
BChD III.....	23
BChD IV .....	24
BChD V .....	24
<b>THE ORAL HEALTH PROGRAMME</b> .....	25
The Profession Oral Hygiene.....	25
Diploma in Oral Health (DiplOH) .....	26
Degree in Oral Health (BOH) .....	26
Admission Requirement (DiplOH and BOH).....	26
Recognition of prior learning.....	28
Re-admission requirements.....	28
Interruption of studies .....	28

Other requirements.....	28
Composition of the DiplOH and BOH curriculum.....	29
<b>ASSESSMENT AND PROMOTION RULES.....</b>	<b>30</b>
Promotion.....	32
DiplOH I/ BOH I.....	32
DiplOH II/ BOH II.....	33
BOH III .....	34
<b>POSTGRADUATE PROGRAMMES IN DENTISTRY</b>	
<b>A. POSTGRADUATE DIPLOMA IN DENTISTRY (PDD).....</b>	<b>34</b>
<b>B. DEGREE OF BACHELOR OF SCIENCE IN DENTAL SCIENCES WITH HONOURS – BSc (DentSc) (Hons) .....</b>	<b>34</b>
<b>C. MAGISTER SCIENTIAE DENTIIUM - MSc (Dent) .....</b>	<b>34</b>
<b>D. MAGISTER CHIRURGIAE DENTIIUM (MChD) .....</b>	<b>35</b>
<b>E. PHILOSOPHIAE DOCTOR (PhD).....</b>	<b>35</b>
<b>MODULE DESCRIPTORS .....</b>	<b>36</b>
BChD I .....	36
BChD II.....	47
BChD III.....	61
BChD IV .....	79
BChD V.....	96
DiplOH I/BOH I.....	104
DiplOH II/BOH II.....	120
BOH III .....	137

## 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 Tygerberg, one of six municipal regions which form part of the broader Cape Metropolitan Council. 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.

**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.

## CORRESPONDENCE WITH THE UNIVERSITY

*All correspondence should be addressed to:*  
THE REGISTRAR  
UNIVERSITY OF THE WESTERN CAPE  
PRIVATE BAG X17  
BELLVILLE  
7535

Telephone numbers: Campus (021) 959 2911  
Fax No.: Campus (021) 951 3627  
Telex – 52661  
Tel No. Faculty (021) 370 4400 / 937 3185  
Fax No. Faculty (021) 392 3250 / 931 2287

### ENQUIRIES

All enquiries should include the following information: student number, previous year of registration, course of study and, in the case of married women who have changed their surname, the maiden name.

#### *Faculty of Dentistry*

Undergraduate and Postgraduate Office

Contact Person: Ms Nuraan Benjamin  
Tel: (021) 937 3185  
Fax: (021) 931 2287  
E-mail: [nbenjamin@uwc.ac.za](mailto:nbenjamin@uwc.ac.za)

Contact Person: Ms Sandra Waterboer  
Tel: (021) 937 3184  
Fax: (021) 931 2287  
E-mail: [swaterboer@uwc.ac.za](mailto:swaterboer@uwc.ac.za)

Contact Person: Ms Bongwiwe Bingwa  
Tel: (021)370 4403  
Fax: (021) 392 3250  
E-mail: [bbingwa@uwc.ac.za](mailto:bbingwa@uwc.ac.za)

Faculty Manager:

Contact Person: Mr Tobie Crause  
Tel: (021) 937 3159  
Fax: (021) 931 2287  
E-mail: [crause@uwc.ac.za](mailto:crause@uwc.ac.za)

### BURSARIES AND LOANS

#### *Undergraduate Bursaries*

Contact Person: Ms Liesl Anthony  
Tel: (021) 959 2310  
Fax: (021) 959 1401  
E-mail: [leanthony@uwc.ac.za](mailto:leanthony@uwc.ac.za)

### ***Post Graduate Scholarships***

Contact Person: Ms Mabrey Bennett  
Tel: (021) 959 3338  
Fax: (021) 959 1401  
E-mail: [mwbennett@uwc.ac.za](mailto:mwbennett@uwc.ac.za)

### **ACCOMMODATION**

Contact Person: Mr Mark Seale  
Tel: (021) 959 2999  
Fax: (021) 959 2671  
E-mail: [mseale@uwc.ac.za](mailto:mseale@uwc.ac.za)

### **STUDENT ACCOUNTS**

Contact Person: Ms Dorothy Abrahams  
Tel: (021) 959 3108  
Fax: (021) 959 2986  
E-mail: [dabrahams@uwc.ac.za](mailto:dabrahams@uwc.ac.za)

### **LIBRARY**

#### ***Librarian (UWC Main Campus)***

Contact Person: Ms Valda Knoll  
Tel: (021) 959 2926  
Fax: (021) 959 2659  
E-mail: [vknoll@uwc.ac.za](mailto:vkroll@uwc.ac.za)

#### ***Librarian (Mitchells Plain)***

Contact Person: Mr Clive Sargeant  
Tel: (021) 370 4424  
Fax: (021) 370 4495  
E-mail: [csargeant@uwc.ac.za](mailto:csargeant@uwc.ac.za)

#### ***Librarian (Tygerberg)***

Contact Person: Ms Linda Coetzee  
Tel: (021) 938 9368  
Fax: (021) 933 7693  
E-mail: [lac@sun.ac.za](mailto:lac@sun.ac.za)

### **STUDENT COUNSELING**

Contact Person: Ms Nokuthula Malamlela  
Tel: (021) 959 2299  
Fax: (021) 959 2882  
E-mail: [nmalamlela@uwc.ac.za](mailto:nmalamlela@uwc.ac.za)

### **HIV / AIDS COUNSELLING**

Contact Person: Dr Tania Vergnani  
Tel: (021) 959 2247  
Fax: (021) 959 2647  
E-mail: [tvergnani@uwc.ac.za](mailto:tvergnani@uwc.ac.za)

## **CAMPUS HEALTH**

Contact Person: Ms Karen Thorne  
Tel: (021) 959 2875  
Fax: (021) 959 2877  
E-mail: [kthorne@uwc.ac.za](mailto:kthorne@uwc.ac.za)

## **SPORTS ADMINISTRATION**

Contact Person: Ms Avril Langeveld  
Tel: (021) 959 2548  
Fax: (021) 959 2015  
E-mail: [alangeveld@uwc.ac.za](mailto:alangeveld@uwc.ac.za)

## **CALENDAR**

The calendar is obtainable in the following separate parts:

- Part I General Information
- Part II Faculty of Science
  - (a) Undergraduate
  - (b) Postgraduate
- Part III Faculty of Arts
  - (a) Undergraduate
  - (b) Postgraduate
- Part IV Faculty of Economics and Management Sciences
  - (a) Undergraduate
  - (b) Postgraduate
- Part V Faculty of Education
- Part VI Faculty of Dentistry
  - (a) Undergraduate
  - (b) Postgraduate
- Part VII Faculty of Law
- Part VIII Faculty of Community and Health Sciences
- Part IX Schedule of Fees

A separate publication containing the Faculty's teaching and examination time-tables is obtainable from the Faculty Officer.

## **NOTA BENE**

All particulars in this calendar are applicable as from January 1, 2009. The University reserves the right to amend any regulation or provision at any time without prior notice.

- No responsibility can be accepted for inaccuracies.

## FACULTY OF DENTISTRY

### FACULTY BOARD

#### **Dean:**

Prof MH Moola, BDS (Univ. Bombay), LDSRCS (Edin.),  
DDPHRCS (Eng), MSc (Univ. London)

#### **Deputy Dean (Academic and Student Affairs):**

Prof ME Parker, BChD (UWC), MDent Rad (London)

#### **Deputy Dean (Clinical Affairs):**

Prof YI Osman, BChD (UWC), MChD (UWC), BBA (Hons), MBA (Stell)

#### **Deputy Dean (Postgraduate Studies and Research):**

Prof N Myburgh, BDS (Rand), MChD (UWC)

### MEMBERS

The Rector (ex officio); Profs Moola MH (Dean), Geerts GAVM, Grobler, SR, Harris AMP, Hille JJ, Joubert J, Kariem G, Louw AJ, Morkel JA, Naidoo S, Osman YI (Deputy Dean – Clinical Affairs), Parker ME (Deputy Dean – Academic Affairs), Myburgh, NG (Deputy Dean – Postgraduate Studies and Research), Phillips VM, Roelofse, JA, Sanders D, Shaikh A, Stephen LXG, Wilson VJ; Drs Allie A, Barrie RB Basson NJ, Behardien N, Carstens HA, Cassim S, Chetty M, Da Silva EN, De la Harpe CJ, De Waal A, Dhaya D, Dyason A, Gopal I, Hein G, Holmes H, Hudson APG, Jeftha A, Khan SB, Levendal A, Louw LR, Maart R, Marnewick JC, Mahomed Peerbhay FB, Mohamed N, Mugabu P, Nokaneng EN, Norval EJ, Oosthuizen DR, Padayachee S, Parker E, Patel NM, Patel Z, Peck MT, Roberts T, Rossouw R, Saayman CM, Sarvan I, Solomon CS, Strydom C, Theunissen ETL, Turton M, Van der Merwe AG, Van der Westhuizen AJ, White G, Yasin-Harnekar S; Mmes Brijlal P, Cader R, Carlow RM, Crombie K, Gordon N, Palmer JJ, Potgieter E, Rayner C, Viljoen K, Drs F Karjiker, S Ahmed, R Ahmed; four student representatives; one representative from the Department of Sociology of UWC; one representative each from the Faculties of Education, Science and Arts of UWC, two student representatives, one administrative representative and one representative from the Western Cape Branch of the South African Dental Association.

### LECTURING STAFF

#### COMMUNITY ORAL HEALTH

*Cluster Head:* AJ Louw, BChD (UP), BScMedSciHons (Stell), MChD (UP)

*Secretary:* E Vivier

*Professor/Chief Specialist:* MH Moola, BDS (Univ. Bombay), LDSRCS. (Edin.)  
DDPHRCS (Eng.), MSc (Univ. London)

<i>Associate Professor/ Principal Specialist</i>	AJ Louw, BChD (UP), BScMedSciHons (Stell), MChD (UP)
<i>Associate Professor/ Senior Specialist:</i>	NG Myburgh, BDS (Rand), MChD (UWC)
<i>Professor/Principal Specialist:</i>	S Naidoo, BDS (London), LDS.RCS (Eng), MDPH.RCS (London), MChD (UWC), PhD (Stell)
<i>Senior Lecturer/ Principal Specialist: Part-time Lecturer</i>	RB Barrie, BChDHons, MChD, MPA (Stell) K Simpson, BChD (UWC) U Govender BOH (UDW/UKZN)
<i>Registrar:</i>	MS Turton, BChD (UWC)

## **DIAGNOSTIC SCIENCES**

<i>Cluster Head:</i>	LXG Stephen, BChD (UWC), PhD (UCT)
<i>Deputy Head:</i>	VM Phillips, BDS (Wits), MChD (US), FC Path (SA) Oral Path Dip Maxillo-Facial Radiol. (Stell)
<i>Secretaries:</i>	J Botha U Prins

### **Diagnostics and Radiology**

<i>Professor/Chief Stomatologist:</i>	ME Parker, BChD (UWC), MSc (Dent Rad) (Univ. London)
<i>Part-time Professor/ Chief Stomatologist:</i>	CJ Nortjé, BChD (UP), PhD (Stell), DipABOMFR (USA), DSc (Odont) (UP)
<i>Extra-ordinary Professor:</i>	L Janse van Rensburg, MBChB (Wits), DA, MFGP (College of Medicine), MFam Med (UOFS), MMed(Stell), DSc (UWC)
<i>Senior Lecturer/ Senior Specialist:</i>	EJ Norval, BSc (RAU), BScHons, BChD (UP), MChD (Stell) HA Carstens, BScHons, BChD (Stell), DTVG (UP), BPAHons, MPA (Stell)
<i>Lecturer:</i>	K Crombie, National Dip. Diagnostic Radiography, HDE (UNISA)

### **Maxillofacial and Oral Pathology & Forensic Sciences**

<i>Professor/Chief Specialist:</i>	JJ Hille, DDS (Neth), MDent (Wits), FC Path (SA)
<i>Professor/Chief Specialist:</i>	VM Phillips, BDS (Wits), MChD (Stell), FC Path (SA) Oral Path, Dip Maxillo-Facial Radiol. (Stell)
<i>Senior Lecturer /Specialist:</i>	T Roberts BChD (UWC), MChD (UWC)
<i>Part-time Senior Lecturer:</i>	MC D'Arcy, MBChB (UCT), FASCP (USA)

*Registrar:* M Chetty, BChD (UWCI)  
A Afrogheh, BChD (UWC)

### **Oral Biology**

*Emeritus Professor:* BGJ van Rensburg, BDS, HDipDent, BSc (Wits),  
MScDentSci (Stell)  
*Senior Lecturer:* RJ Rossouw, BSc, HED, MMedSc (UOFS), PhD (Stell)

### **Oral Medicine and Periodontology**

*Professor/Chief Stomatologist:* LXG Stephen, BChD (UWC), PhD (UCT)  
*Associate Professor:* Vacant  
*Senior Lecturer/*  
*Principal Specialist:* JC Marnewick, BChD (UP), MDent (Wits)  
*Lecturer/SeniorDentist:* D Dhaya, BChD (UWC)  
*Part-time*  
*Emeritus Professor:* WP Dreyer, BDS, HDipDent (Wits), PhD (Stell)  
*Emeritus Professor/*  
*PrincipalDentist:* H de Waal BChD (Stell), MDent (Wits)  
*Part-time Lecturer/Dentist:* Y Osman- Latib, BChD (UWC)  
T Naidoo, BChD (UWC)  
E Fakir, BChD (UWC)  
*Oral Hygienist:* E Dhaya, Dipl OH (UWC)  
S Simons, Dipl OH (UWC)  
*Registrars:* H Holmes, BChD, MSc (Dent) (UWC)  
A Jeftha, BChD (UWC)  
MT Peck, BChD (UWC), MSc (Dent) (UWC)

## **MAXILLO-FACIAL AND ORAL SURGERY & ANAESTHESIOLOGY AND SEDATION**

*Head (Academic):* JA Morkel, BChD, MBChB, MChD (Stell)  
*Head (Clinical):* G Kariem, BChD (UWC), MChD (Stell)  
*Secretary:* J de Wet

### **Anaesthesiology and Sedation**

*Professor/Chief Specialist:* JA Roelofse, MBChB, MMed, PhD (Stell)  
*Specialist:* M van Rensburg, MBChB, MMed (UOFS)  
*Medical Officer:* AC van der Merwe, MBChB (UP), DA (SA)  
*Part-time Medical Officer:* CJ Roberts, MBChB (US), DA (SA)

### **Maxillofacial and Oral Surgery**

*Part-time Emeritus Professor:* JJdeV Joubert, BChD (UP), PhD (Stell)  
*Associate Professor/Principal*  
*Specialist:* G Kariem, BChD (UWC), MChD (Stell)  
*Associate Professor/Chief*  
*Specialist:* JA Morkel, BChD, MChD, MBChB (Stell)  
*Senior Lecturer/Senior*  
*Specialist:* GJ Hein, BSc, BChD, MChD (UWC)

<i>Senior Lecturer/ Senior Specialist:</i>	AJ van der Westhuizen, BChD, MChD (Stell), FFD (SA) (MFOS), FDS, RCS (Eng)
<i>Senior Lecturer/Senior Stomatologist:</i>	LR Louw, BChD (UP), PDD, MScDentSci (Stell)
<i>Senior Lecturer/Principal Dentist:</i>	A Levendal, BChD (UWC), Hons BChD (Stell)
<i>Lecturer/Dentist</i>	N Behardien, BChD (UWC), MSc Dent (UWC)
<i>Part-time Lecturer/Specialist:</i>	B Berezowski, BDS, MDent (Wits), FFD RCS (Eng)
	RB Beukes, BChD, MBChB, MChD (Stell)
	JH Erasmus, BChD, MBChB, MChD (Stell)
	C Greeff, BDS, MDent (Wits)
	M Meer, BDS (Wits), Dip Odont (UP), MChD (UWC)
	LP Miles, BDS (Rand), FDSRCS (Eng.)
	S Singh, BSc (Natal), BChD, MChD (UWC), FCMFOs (SA)
<i>Registrars:</i>	A de Waal, BChD, MBChB (Stell)
	I Gopal, BChD, MBChB (Stell)
	EN Nokaneng, BChD (UWC), Dipl Odont (Medunsa)
	E Parker, BChD (UWC)
	I Sarvan, BChD, MBChB, HonsBScDentSci (Stell)
	EN Da Silva MBChB (Stell)
<i>Part-Time Dentists:</i>	D Bester, BDS, HDD (Wits)
	M Meyer, BChD, HonsBScDent Sci (US)
	EC Louw, BChD (US)

## **ORAL HYGIENE**

<i>Cluster Head:</i>	E Potgieter, BScHons, HED, Dipl OH (Stell)
<i>Secretary:</i>	E Luckhoff
<i>Control Hygienist:</i>	E Potgieter, BScHons, HED, Dipl OH (Stell)
<i>Chief Hygienists:</i>	N Gordon, Dipl OH (UWC) BA (Unisa), MPH (Maastricht), Dipl Adult Education (UWC)
	C Rayner, Dipl OH (UWC), MA (UWC)
	K Viljoen, Dipl OH (Stell), BA, NDTO (UNISA)
<i>Lecturer:</i>	P Brijljal, B Oral Health (UDW), MSc (Dent) (UWC)
	R Cader, Dipl OH (UWC)

## **ORTHODONTICS AND PAEDIATRIC DENTISTRY**

<i>Cluster Head:</i>	AB Shaikh, BChD (UWC), MSc (Dent) (UWC), MChD (UWC)
<i>Head (Paediatric Dentistry)</i>	S Yasin-Harneker, BChD (UWC), MSc (UWC)
<i>Secretaries:</i>	RR November, National Higher Secretarial Certificate (Pentech)

## **ORTHODONTICS**

*Professor/Senior Specialist:* AMP Harris, BChD, MChD, Hons BSc Med Sc (Stell),  
DTE (UNISA), FFD(SA) Ortho.

*Associate Professor/Senior Specialist:* AB Shaikh, BChD (UWC), MSc (Dent) (UWC), MChD (UWC)

*Senior Lecturer/Specialist:* ETL Theunissen, BChD (UWC), MChD (UWC)  
*Lecturer/Specialist:* DR Oosthuizen, BChD (Stell), DGG (Stell), MChD (UWC)

*Senior Lecturer/  
Principal Dentist:* APG Hudson, BChD, BScDentScHons (Stell)  
*Part-time Specialist:* I Amra, BDS (Wits), MSc (Dent), MChD (UWC)  
*Registrars:* MN Ngema BChD (UWC)  
S Matloga  
N Sehowa

## **Paediatric Dentistry**

*Professor:* Vacant  
*Senior Lecturer:* S Yasin-Harneker, BChD (UWC), MScDent (UWC)  
*Lecturer:* FB Mahomed Peerbhay, BSc (UDW), BChD (UWC),  
Dipl Paediatric Dentistry (Stell)  
N Mohamed, BChD (Stell), BScDentSciHons (Stell), MSc (Dent) (Stell)  
S Abels BChD (UWC)

## **RESTORATIVE DENTISTRY**

*Cluster Head:* VJ Wilson, BChD (UWC), MChD (UWC)  
*Deputy Head:* CS Solomon, BChD (UWC), MSc (Dent) (UWC), MChD,,  
PDD (UWC)  
*Secretaries:* Y Erasmus, BA (UWC)

## **Conservative Dentistry**

*Professor/Chief Specialist:* YI Osman, BChD, MChD (UWC), BBA (Hons), MBA (Stell)  
*Senior Lecturers/  
Stomatologists:* CJ de la Harpe, BChD (Stell), BSc (Pharm) (PU for CHE), DipGA (UP)  
C Strydom, BCur (UPE), BChD, BScMedScHons, MScDentSci (Stell), BSocSc (UCT)  
*Principal Specialist* NM Patel, BDS (Mangalore), MChD (UWC)  
*Principal Stomatologist:* CM Saayman, BChD, MSc Dent Sc (Stell)  
*Senior Lecturer/  
Senior Specialist* CS Solomon, BChD (UWC), MSc (Dent) (UWC), MChD (UWC)  
*Lecturer/Dentist:* A Dyason, BChD (UWC)  
S Ahmed, BChD (Stell), PDD (UWC)

*Part-time*

*Associate Professor/*

*Principal Specialist*

*Part-time*

*Senior Lecturer/Specialists:*

PJC Senekal, BChD (UP), MScDentSci (Stell)

PA van Zyl, NDT, MChD (Prost) (Stell)

F Karjiker, BChD (Stell), PDD (UWC)

E Pitout BDS

## **Prosthetic Dentistry**

*Associate Professor/Principal*

*Specialist:*

VJ Wilson, BChD (UWC), MChD (UWC)

*Associate Professor/Principal*

*Specialist:*

GAVM Geerts, BChD, MChD (Stell), PDD (UWC)

*Senior Lecturer/Specialist:*

*Senior Lecturer/*

*Senior Dentist:*

*Senior Lecturer/*

*Senior Dentist:*

R Maart, BChD (UWC), PDD ComDent (Stell), Dipl  
HRM (UCT)

Adam RZ, BChD (Stell), MSc Dent (UWC)

*Lecturer/Dentist:*

SB Khan, BChD (UWC), PDD (Stell)

R Ahmed, BChD (Stell)

*Registrars:*

Z Patel, BChD (UWC)

S Cassim BChD (UWC), MChD (UWC)

## **ORAL AND DENTAL RESEARCH INSTITUTE**

*Associate Professor:*

SR Grobler, BSc, BScHons, MSc, DSc (UOFS), PhD  
(Stell)

*Researcher:*

NJ Basson, BSc, BScHons, MSc, PhD (Stell)

*Cell-culture Technologist:*

A Olivier, BSc, Hons B(Phys Ed), M (Phys Ed) (Stell)

*Administrative Officer:*

RA Basson, BA, HonsBA (Psych) (UNISA)

*Assistant Technical Officer:*

W Fransman, Nat Dip Lab Anim Technol (Tech SA)

## **DENTAL EDUCATION**

*Education Advisor:*

W McMillan, BPrim Ed (UCT), BEd (UCT), Post Grad PP  
(UNISA), DEd (UWC)

## **FACULTY ADMINISTRATIVE STAFF**

<i>Faculty Manager:</i>	C Crause
<i>Faculty Officer:</i>	S Waterboer
<i>Administrative Officer:</i>	B Bingwa N Benjamin
<i>Dean's Secretary:</i>	EZ Voigt
<i>Secretaries:</i>	B Carstens, Secretarial Certificate (CompuTeach) I Jooste H Lubbe, Secretarial Certificate (Tygerberg Technical College)

## **HONORARY AND PART-TIME STAFF OF THE ORAL AND DENTAL TEACHING HOSPITAL**

### **DEPARTMENT OF GENERAL SURGERY, UCT**

*Associate Professor/*

*Principal Specialist:* D Kahn, MBChB (Birm), FCS (SA) CLM (UCT)

### **DEPARTMENT OF INTERNAL MEDICINE, UCT**

*Senior Lecturer/*

*Senior Specialist:* R Raine, MBChB (UCT), MMed (UCT), FCP (SA)

### **THE DERMATOLOGY DEPARTMENT, UCT**

*Consultant -full time:*

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

### **PART-TIME / CONTRACT STAFF OF THE FACULTY OF DENTISTRY**

<i>Principal Dentists/Specialists:</i>	PH Beighton, MB.BS; MRCS.LRCP; DRCOG; DCH; DTM & H; MRCP (Ed); MRCP (Lon); MD (Lon); PhD (Wits); FRCP (Ed); FRCP (Lon); FRCPCH (UK); MPhil (Lancaster) MJ Coetsee, MDS (MEDUNSA) JL Erasmus, BChD, MBChB, MChD (Stell) MT Ferguson, BDS (Rand), MChD (UWC) RJ Ginsberg, BDS (Wits), Dipl Ortho RCS (Eng) KC Johannes, BChD (UWC), MChD (Stell) DA Orkin, BDS (Rand), MSc (Stell), PhD (UWC) AW Roos, BChD (UP) MChD (Stell) MG Samsodien, BDS (Bombay), MChD (Orth) (UWC)
<i>Dentists:</i>	AR Adams, BChD (UWC) ZA Adam, BDS (LDSCRS) MI Allie, BChD (UWC) CJ Botha, BChD (Stell) AA Brand, BDS (Wits) MM Buys, BChD (UWC) VH Davids, BChD (UWC), BSc Hons (Stell), Dipl OH (UWC) W de Lange, BChD (Stell)

N Desai, BChD (UWC)  
G Ferreira, BChD (Stell) (Gugulethu)  
L Krige, MBChB (UP, DA (SA) (College of Med)  
PW Labuschagne, MBChB (UP)  
GA le Roux, BChD (Stell)  
GV Lindhorst, BSc, BChD (Stell)  
M Lekay-Adams, BChD (UWC)  
EA MacKriel, BChD (Stell)  
T Naidoo, BChD (UWC)  
N Royker, BChD (UWC)  
AF Schoning, BChD (Stell)  
S Shaikh, BChD (UWC)  
M Stuhlinger, BChD, BChD (Hons) (Stell)  
Z Surve-Szilagyi, BChD (UWC)  
M Truter, BChD, MSc (UP)  
N Tshwaku, BChD (UWC)  
NM Wardle, MBChD (UCT), DA(SA) (College of  
Medicine)  
J Van Wyk, BChD (UWC)  
S Soeker, Dipl OH (UWC)

*Oral Hygienists:*

## DEGREES AND DIPLOMAS IN THE FACULTY OF DENTISTRY

G.1 The following degrees are conferred in the Faculty:

Baccalaureus Chirurgiae Dentium	BChD
Baccalaureus Oral Health	B OH
Baccalaureus Scientiae (Dental Science) (Honours)	BSc (DentSc) (Hons)
Magister Scientiae (Dentium)	MSc(Dent)
Magister Chirurgiae Dentium	MChD
Philosophiae Doctor	PhD
Doctor Scientiae (Odontology)	DSc (Odont)

The following diplomas are conferred in the Faculty:

Diploma in Oral Health (DiplOH)  
Postgraduate Diploma in Dentistry (PDD)

### RULES FOR THE BChD DEGREE

The Faculty of Dentistry offers a 5 year programme leading to a Bachelor's Degree in Dentistry (BChD).

**Note:** The General Regulations for Degrees, Diplomas and Certificates, Rules A.1 to A.9 in the General Calendar, also apply here.

G.2 Every student of Dentistry in the Faculty must, in accordance with the requirements of the Health Professions Council of South Africa, register as a dental student within two months after admission to the Faculty as well as after completion of the degree. Full particulars are available from the Faculty Officer.

All graduates have to complete one year of compulsory community service after completing the degree.

G.3 **Admission requirements**

3.1 **Admission rules for applicants who will matriculate/matriculated in 2008.**

Unless Senate decides otherwise, candidates will be required to meet the following criteria to be enrolled for the degree Baccalaureus Chirurgiae Dentium (BChD):

(a) The National Senior Certificate for Bachelor's Degree study plus a score of no less than 33 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).

**Level 3** (40-49%) in another language (Home or First additional language).

**Level 4** (50-59%) in Mathematics,

**Level 4** (50-59%) in Physical Science and Life 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.

- 3.2 **Admission rules for applicants who matriculated prior to 2008.**  
In order to be admitted to the first year of the degree the student must have obtained a Matriculation Exemption Certificate or an equivalent certificate with a **pass in Mathematics, Physical Science and Biology** of at least 40% (Higher Grade) or 50% (Standard Grade).
- 3.3 As only a limited number of students can be admitted to the first year of study, students will be subject to selection.
- 3.4 Students from other universities who have failed the BChD 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 BChD programme at this university.
- G.4 **Recognition of prior learning (RPL)**  
Each case for recognition of prior learning into BChD will be handled on individual merit.
- G.5 **Re-admission requirements**
- 5.1 Students who do not qualify to be promoted to BChD II and who have obtained more than 50% of the credits will automatically be re-admitted into BChD I the following year.
- 5.2 Students who have not obtained 50% of their credits will have to re-apply for BChD I and go through the selection process.
- 5.3 When repeating BChD I a student may retain credits for first year modules previously passed.
- 5.4 A student who has failed the requirements for promotion to the following year of study in 2 consecutive calendar years has to formally re-apply for admission.
- 5.5 R-admission may be subject to specific conditions laid down by the faculty board.
- G.6 **Interruption of studies**
- 6.1 A student who, for reasons acceptable to the Senate, wishes to interrupt his/her studies for a period not exceeding one academic year must request in writing for leave of absence. No leave of absence will be granted to a student with an unsatisfactory academic record.
- 6.2 Unless the Senate decides otherwise, a student who interrupts his/her studies without the prior approval of the Senate or for a period exceeding one academic year must apply for re-admission.
- G.7 **Other requirements**
- 7.1 **Hepatitis B vaccine**  
It is compulsory for all first year students to submit proof of the above vaccination to the Faculty Office before the commencement of the second semester.
- 7.2 **Attendance at lectures, practicals, etc.**  
Attendance at all lectures, practicals, clinical sessions, seminars, etc. is compulsory. Students who do not comply with at least an 80% attendance figure will be allocated an incomplete coursework mark and will not be allowed to sit for the final examination in the subject concerned. Every lecture is regarded as preparation for the clinical work that is to follow.

## 7.3

**Instrumentation****(a) Instrumentation – prescribed by departments**

It is compulsory for all second year BChD students to purchase their own instruments in certain departments. The departments will issue a list of these instruments.

**(b) Instrumentation – issued by departments**

At the end of each academic year students will have to return all instruments issued to them. Students who have lost instruments will have to replace the instruments. Those students who do not return the instruments will not be allocated a year mark. Their registration for the following year will also not be activated.

**G.8 Composition of BChD Curriculum****BChD Curriculum Framework****BChD I****Credit***Year Course*

CLD100	521100	*Clinical Dentistry I .....	15
ALD100	511000	Academic Literacy.....	10

*1<sup>st</sup> Semester*

CHE118	311081	Chemistry 118.....	15
LSC141	312141	Life Sciences 141 .....	15
PHY113	336013	Physics 113 .....	15

*2<sup>nd</sup> Semester*

HUB105	302105	Human Biology I.....	40
HDP111	510112	Health, Development & Primary Health Care .....	5
COS124	371024	Computer Literacy .....	15
CHO120	296004	Introduction to Xhosa .....	10
AFR120	201004	Introduction to Afrikaans.....	10

**BChD II****Credit***Year Course*

CLD200	521102	*Clinical Dentistry II.....	30
--------	--------	-----------------------------	----

*1<sup>st</sup> Semester*

HUB205	302205	Human Biology II.....	40
OBI210	590225	Oral Biology .....	20
PPT211	521104	Pre-clinical Periodontic Techniques.....	10
TMO200	524200	*Tooth Morphology .....	5

### **2<sup>nd</sup> Semester**

BPD220	521101	Basis of Disease Process...	15
HPD111	511131	Interdisciplinary Health Promotion	10
RAP220	521103	Radiation Physics	5
NRT220	521105	*Non-invasive Restorative Techniques	10
RAT200	525200	*Radiographic Techniques I	5
BDM200	523200	Basics of Dental Materials	5
PRT200	580211	*Prosthetics Techniques	10

### **BChD III**

### **Credit**

#### **Year Course**

PCL305	330901	Dental Pharmacology	20
OMP300	550551	*Oral Medicine and Periodontology I	20
MFS300	540541	*Maxillofacial and Oral Surgery I	10
MAT300	521106	Dental Materials300	10
CON300	530501	*Conservative Dentistry I	15
PRO300	580511	*Prosthetics I	15
RAT300	521109	*Radiographic Techniques II	5

#### **1<sup>st</sup> Semester**

PMG310	511310	Principles of Medicine and General Surgery	15
PAT310	570322	Systemic Pathology	10
MIC312	520502	Common Systems Based Infections	10
IRT310	521107	*Invasive Restorative Techniques	10

### **2<sup>nd</sup> Semester**

MBS323	356335	Oral Manifestations of Infectious Diseases	10
ORT320	590311	Basic Orthodontics	10
MHD320	511311	Measuring Health and Disease	10
SSD320	540320	Social Sciences and Dentistry	10
PRT310	521108	Prosthetic Techniques	10

### **BChD IV**

### **Credit**

#### **Year Course**

OMP400	550554	*Oral Medicine and Periodontology II	20
ANS400	521110	Anaesthesiology and Sedation	10
MFS400	540542	*Maxillofacial and Oral Surgery II	20
CON400	530502	*Conservative Dentistry II	15
END400	521111	*Endodontics	10
RAD400	551510	*Diagnostics and Radiology	10
OPA400	570431	Oral Pathology	20
PED400	501112	*Paediatric Dentistry and Techniques	15
ORT400	590501	*Orthodontics	20
PRO400	580522	*Prosthetic Dentistry II	20
RES400	521114	Dental Research	5

*1<sup>st</sup> Semester*

PRT410	521112	*Removable Partial Dentures Technique.....	5
PRE410	531411	Prevention.....	10

*2<sup>nd</sup> Semester*

ART420	5211118	*Advanced Restorative Techniques .....	10
--------	---------	--	----

**BChD V**

**Credit**

*Year Course*

CLD500	521116	*Clinical Dentistry V.....	155
--------	--------	----------------------------	-----

*1<sup>st</sup> Semester*

HSY510	511321	Health Systems .....	10
ETH510	515521	Ethics.....	5

*2<sup>nd</sup> Semester*

IMP520	521117	*Implants .....	5
PRM520	515510	Practice Management .....	5

G.9 **Rules of combination for this programme**

All modules should be independently passed to complete each year of the BChD degree (see G.10.5)

G.10 **ASSESSMENT AND PROMOTION RULES**

- 10.1 Normally, assessment will be based on continuous coursework and formal examinations.  
Each department will determine which items of coursework are to be included in the coursework assessment and will determine the relative weighting assigned to each item of coursework. Items incorporated in the coursework assessment may include practical work, clinical work, assignments, essays, tests and projects.  
Written information regarding assessment of each module will be provided to students by the respective departments at the start of each module. This will include information such as nature of and mark allocation for assignments, tests, examinations and clinical activities. Normally, coursework assessment will comprise a minimum of two units/pieces of work per module per semester.  
In the case of certain modules leading to major subjects, the overall assessment may include coursework assessment from each year, provided that the relative weighting assigned to each year's coursework assessment is indicated at the commencement of the module. Each department will inform the students of these details at the beginning of the module.
- 10.2 For a student to be admitted to the final examination in a module, he/she must obtain at least **50% in the clinical component** of the coursework assessment.
- 10.3 Minimum quotas for the various clinical procedures will be indicated in the study guide of individual departments.

- 10.4 *Marking of examination scripts*  
Where provision is made for the remarking of examination scripts (Rule A.5.2.15), attention is drawn to the fact that the mark allocated in the oral examination remains the same.
- 10.5 *Recognition of modules*  
In order to pass a module, a student should obtain:
- (a) a final mark of at least 50%, (computed from the coursework mark and from the final examination mark), provided that the sub-minimum of 40% is obtained in the formal examination.
  - (b) a candidate repeating a year but who has previously passed a module for which a credit has been granted, may be exempted from the final examination provided that:
    - (i) the attendance requirements are complied with, and
    - (ii) a coursework mark of at least 55% is obtained.
- 10.6 At the end of each final examination session, provision may be made for a re-evaluation or for a supplementary examination.
- 10.7 *Admission to re-evaluation/supplementary examinations*
- (a) Unless Senate decides otherwise, a student shall be admitted to a supplementary examination or supplementary final assessment task in respect of a module in which he/she has written the final examination, or completed the final assessment task, and did not meet the pass requirements, but has obtained –
    - (i) an overall mark for the module of at least 45%, or
    - (ii) a continuous assessment mark of at least 50%, and at least 30% in the examination or final assessment task for the module, or
    - (iii) a final mark of 50% or more but an examination mark of less than 40%.
  - (b) The re-evaluation/supplementary examination will be based on work prescribed for the final examination concerned. It may include an oral and/or written examination. In the case of written re-evaluation, shorter examination papers may be set.
  - (c) The maximum final mark, awarded for a module in which the final examination includes a re-evaluation examination, will be 50%. If the repeat mark is lower than the original assessment, the original mark will stand. For supplementary examinations the final mark will be the actual mark obtained.
- G.11 **Promotion**  
Notwithstanding any provisions to the contrary and unless Senate decides otherwise –
- 11.1 **BChD I**
- (a) To qualify for promotion to BChD II a student must pass all the modules prescribed for BChD I. However, a maximum of 10 credits from first year modules may be carried while a student commences with second year modules. The modules that may be carried are Primary Health Care, Academic Literacy and Computer Literacy, subject to the 10 credit proviso.

- (b) To continue with the second semester modules in Human Biology, the student must have passed the first semester modules in Life Sciences 141 (LSC141), Physics (PHY113) and Chemistry (CHE118).
- (c) A student who does not qualify to continue with the second semester will have to re-apply for admission the following year.
- (d) A student who does not qualify for promotion to BChD II will have to re-apply for admission the following year. However, if the student has obtained more than 50% of the first year credits, re-admission will be automatic.
- (e) When repeating BChD I, a student may retain credits for first year modules previously passed except for Clinical Dentistry I (CLD100) or have the option to write the examination again if they want to improve their marks. For Clinical Dentistry I (CLD 100), a student must satisfy the attendance requirements, assessments and clinical component and obtain a 55% coursework mark.

11.2

### **BChD II**

- (a) To qualify for promotion to BChD III, a student must pass all the modules prescribed for BChD II. However, a maximum of 10 credits from second year modules may be carried while a student commences with third year modules. The modules which may be carried are Health Promotion and Radiation Physics, subject to the 10 credit proviso.
- (b) To continue with the second semester module in Basis of Disease Processes the student must have passed the first semester module in Hub 205.

#### *Repeating the year*

A student who does not qualify for promotion to the third year:

- (c) may retain credit for Pre-Clinical Periodontic Techniques, Health Promotion, Radiation Physics, Human Biology 205, Oral Biology and Basis of Disease Processes.
- (d) must satisfy the attendance requirements and obtain a 55% coursework mark with a minimum of 50% in the clinical component for all clinical modules as indicated by the asterisk (\*).
- (e) must satisfy the attendance requirements and obtain a 55% coursework mark for all pre-clinical modules as indicated by the asterisk (\*).

11.3

### **BChD III**

- (a) To qualify for promotion to BChD IV, a student must pass all the modules prescribed for BChD III.
- (b) However, a maximum of 10 credits from first semester modules of the third year may be carried into the second semester of the third year. The modules that may be carried are Common Systems-Based Infection, Principles of Medicine & General Surgery, Social Science in Dentistry, subject to the 10-credit proviso.
- (c) However, a maximum of 10 credits from 3<sup>rd</sup> year modules may be carried when a student commences with 4<sup>th</sup> year modules that may be carried are Dental Materials, Systemic Pathology, Common Systems based infections, Oral Oral Manifestations of Infectious Diseases, MHD, Social Science in Dentistry, subject to the 10-credit proviso.

*Repeating the year*

A student who does not qualify for promotion to the fourth year:

- (d) may retain credits for Common Systems Based Infection, Pharmacology, Systemic Pathology, Principles of Medicine & General Surgery, Measuring Health and Disease and Oral Manifestations of Infectious Diseases.
- (e) may retain credit for Dental Materials, Social Sciences in Dentistry and Invasive Restorative Techniques but must satisfy the attendance requirements and obtain a coursework mark of 55%
- (f) must satisfy the attendance requirements and obtain a 55% coursework mark with a minimum of 50% in the clinical component for all Clinical modules as indicated by the asterix (\*).
- (g) must satisfy the attendance requirements and obtain a 55% coursework mark for all pre-clinical modules as indicated by the asterix(\*).

11.4

**BChD IV**

To qualify for promotion to BChD V, a student must pass all the modules prescribed for BChD IV. However, a maximum of 10 credits from fourth year modules may be carried while a student commences with fifth year modules. The modules that may be carried are Prevention, and Research, subject to the 10 credit proviso.

*Repeating the year*

A student who does not qualify for promotion to the fifth year:

- (a) may retain credit for Social Science and Dentistry (only for 2008), Prevention, Research, Anaesthesiology and Sedation and Oral Pathology
- (b) must satisfy the attendance requirements and obtain a 55% coursework mark with a minimum of 50% in the clinical component for all Clinical modules as indicated by the asterix (\*).
- (c) must satisfy the attendance requirements and obtain a 55% coursework mark for all pre-clinical modules as indicated by the asterix (\*).

11.5

**BChD V**

In order to fulfill the requirements for completion of the BChD degree, a student must have passed all the prescribed modules from first to fifth year.

A student who fails:

- (a) may retain credit for Health Systems, Ethics, and Practice Management.
- (b) must satisfy the attendance requirements and obtain a 55% coursework mark with a minimum of 50% in the clinical component for all Clinical modules as indicated by the asterix (\*).

## THE ORAL HEALTH PROGRAMME

### The Profession Oral Hygiene

UWC offers a Diploma in Oral Health (DipLOH) and a Degree in Oral Health (BOH). The oral hygienist is a specialist in preventive and promotive oral health care for the control of oral diseases and promotion of oral health. As a registered primary health care professional, oral health promoter, clinician, practice manager and researcher, the hygienist provides preventive, educational and therapeutic services to individuals and populations of all ages including the medically compromised, mentally or physically challenged and socially disadvantaged. Oral hygiene services are provided in the public health services, general and speciality dental practices, programmes for research, professional education, hospital care, institutional care for disabled persons, the armed services and dental products promotion.

The hygienist must exhibit competencies in the following five domains.

#### **Core competencies**

- Apply a professional code of ethics in all endeavors.
- Provide oral health care to promote patient health and wellness using critical thinking and problem solving in the provision of evidenced based care.
- Communicate effectively with individuals and groups from diverse populations both verbally and in writing.
- Continuously perform self-assessment for life-long learning and professional growth.

#### **Health Promotion and Disease Prevention**

- Promote the values of oral and general health and wellness to the public and organizations within and outside the profession.
- Respect the goals, values, beliefs and preferences of the patient/individual/ community while promoting optimum oral and general health.
- Identify population and individual risk factors and develop strategies that promote health related quality of life.

#### **Patient Care**

- Systematically collect, analyse, and record data on the general, oral and psychosocial health status of a variety of patients using methods consistent with medico-legal principles.
- Apply critical decision making skills to diagnose, plan, implement and evaluate a comprehensive oral health care plan that is patient centered and based on current scientific evidence.
- Provide preventive and therapeutic service within the scope of practice of the oral hygienist, as set out by the Health Professions Council of South Africa (HPCSA).

### **Community Involvement**

- Assess the oral health needs of the community and the quality and availability of resources and services.
- Provide screening, referral, and educational services that allow individuals/communities to access the resources of the health care system.
- Provide community oral health care services in a variety of settings.

### **Professional Growth and Development**

- Identify career options within health-care, industry, education and research and evaluate the feasibility of pursuing various oral hygiene opportunities.

### **DIPLOMA IN ORAL HEALTH (DiplOH)**

The Diploma in Oral Health is designed to prepare the diplomate for all of the designated roles in the field of oral health. The diploma comprises of a theoretical and practical component. Students perform clinical services to a variety of patients. Students are also involved in health promotion activities through a range of community projects.

### **BACCALEUREUS ORAL HEALTH (BOH)**

The B Oral Health is an academic degree, where a third year is added to the Diploma in Oral Health. The degree expands on the competencies of the diploma by building on knowledge, skills and attitudes and exposing the student to different learning opportunities on both a clinical and public health level. The student will do a number of clinical placements in speciality areas such as tertiary hospitals and specialist dental practices. The theoretical component is largely case based where students are expected to research and present the topics covered. A central feature of this degree is that the student will be able to select modules in other faculties in line with their interests and their vision of their professional career. Topic areas include nutrition, gender studies, introduction to human resources, sociology of health, business and financial management.

### **Rules for the Diploma and Bachelor in Oral Health**

- Note:** The General Regulations for Degrees, Diplomas and Certificates, Rules A.1 to A.9 in the General Calendar, also apply here.
- G.12 Every student of Oral Health in the Faculty must, in accordance with the requirements of the Health Professions Council of South Africa (HPCSA), register as an oral health student within two months after admission to the Faculty as well as after completion of the degree / diploma. Full particulars are available from the Registrar of the University or the Faculty Officer.
- G.13 **Admission requirements:**  
**Diploma in Oral Health (DiplOH)**  
13.1 **Admission for applicants who will matriculate/matriculated in 2008:** Unless Senate decides otherwise, candidates will be required to meet the following criteria in order to be enrolled for the Diploma in Oral Health (DOH):
- (a) The National Senior Certificate for Diploma study, as well as the following specific programme requirements:

**Level 3** (40-49%) in English (Home or First Language).

**Level 3** (40-49%) in another language (Home or First Additional language).

**Level 3** (40-49%) in Mathematics or Mathematic Literacy.

**Level 3** (40-49%) in Life Sciences.

**Or**

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

13.2 **Admission rules for applicants who matriculated prior to 2008**

In order to be admitted to the first year of the diploma the student must have obtained a School Leaving Certificate (Grade 12) with a pass in Biology of at least 40% (Higher Grade) or 50% (Standard Grade); a First Language Higher Grade, Second Language Higher Grade and an additional subject on Higher Grade, unless otherwise decided by Senate. A pass in Physical Science or Physiology with a minimum of 40% on the Higher Grade or 50% on the Standard Grade will be a recommendation.

13.3 A minimum average of 50%

**Please note:**

*Where the number of qualified candidates exceeds the number of available places in a study programme, the university reserves the right not to select all applicants who meet the minimum admission criteria.*

**Degree in Oral Health (BOH)**

13.4 Unless Senate decides otherwise, candidates will be required to meet the following criteria to be enrolled for the degree Bachelor of Oral Health (BOH):

(a) The National Senior Certificate for Bachelor's Degree study plus a score of 27 points calculated according to the university's approved system, as well as the following specific programme requirements:

**Level 4** (50-59%) in English (Home or First Additional Language).

**Level 3** (40-49%) in another language (Home or First additional language).

**Level 3** (40-49%) in Mathematics or Mathematics Literacy.

**Level 3** (40-49%) in Life 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.

**Please note:**

*Where the number of qualified candidates exceeds the number of available places in a study programme, the university reserves the right not to select all applicants who meet the minimum admission criteria.*

- 13.5 In order to be admitted to the first year of the degree the student must have obtained a Matriculation Exemption Certificate or an equivalent certificate with a pass in Biology of at least 40% (Higher Grade) or 50% (Standard Grade); a First Language Higher Grade, Second Language Higher Grade and an additional subject on Higher Grade, unless otherwise decided by Senate. A pass in Physical Science or Physiology with a minimum of 40% on the Higher Grade or 50% on the Standard Grade will be a recommendation.
- 13.6 A minimum average of 50%
- 13.7 **Diploma in Oral Health**  
Students in possession of a Diploma in Oral Health/Hygiene require 3 years appropriate experience to be admitted to the degree (third year level).
- As only a limited number of students can be admitted to the diploma and the degree applicants will be subject to selection.
- G.14 **Recognition of prior learning**  
Each case for recognition of prior learning for entry into the DiplOH / BOH will be handled in terms of the University policy.
- Re-admission statement**
- 14.1 Students who do not qualify to be promoted to DiplOH II/ BOH II, and who have passed more than 50% of the modules will automatically be re-admitted into the DiplOH I/ BOH I the following year.
- 14.2 Students who have not passed 50% of the DiplOH I/ BOH I modules will have to re-apply and go through the selection process.
- 14.3 A student who has failed the requirements for promotion to the following year of study in two consecutive calendar years has to formally re-apply for admission.
- 14.4 Re-admission is subject to specific conditions laid down by the faculty board.
- G.15 **Interruption of studies**
- 15.1 A student who, for reasons acceptable to Senate, wishes to interrupt his or her studies for a period not exceeding one academic year must request in writing for leave of absence. No leave of absence will be granted to a student with an unsatisfactory academic record.
- 15.2 Unless the Senate decides otherwise, a student who interrupts his or her studies without prior approval of Senate or for a period exceeding one academic year must apply for re-admission.
- G.16 **Other requirements**
- 16.1 **Hepatitis B vaccine**  
It is compulsory for all first year students to submit proof of the above vaccination to the Faculty Officer before the commencement of the first semester.
- 16.2 **Attendance at lectures, practicals, etc.**  
Attendance at all lectures, practicals, clinical sessions, seminars, etc. is compulsory. Students who do not comply with at least an 80% attendance

figure will be allocated an incomplete continuous evaluation mark and will not be allowed to sit for the final examination in the module concerned.

16.3 **Instrumentation**

Students who have lost issued instruments will have to replace the instruments. Students who do not return instruments will not be allocated a continuous evaluation mark. Their registration for the following year will also not be activated

16.4 **Clinical attire**

Students are responsible for their own white coats / jackets and for the protective eyewear required during clinical and laboratory sessions.

G.17 **Composition of the curriculum**

The curriculum extends over two (DipLOH) or three (BOH) years.

**ORAL HEALTH Curriculum Framework (2006)**

**DipLOH I/BOH I**

**Credit**

*Year Course*

CLP100	511117	Clinical Practice I.....	25
ACL100	500110	Academic Literacy for Oral Health.....	10

*1<sup>st</sup> Semester*

HUB110	539101	Human Biology for Oral Health.....	15
ICP110	51113	Introduction to Clinical Practice.....	15
ODS120	521020	Oral Diseases I.....	10

*2<sup>nd</sup> Semester*

ADP120	511108	Applied Dental Practice.....	15
OHP120	511140	Oral Health Promotion 1.....	15
HDP110	511124	Health, Development and Primary Health Care.....	5
HDP111	511131	Interdisciplinary Health Promotion.....	10
RAD123	550631	Radiography 1.....	5
CHO120	296004	Introduction to Xhosa.....	10
AFR120	201004	Introduction to Afrikaans.....	10
NRT120	521060	Non-Invasive Restorative Techniques.....	5

**DipLOH II/ BOH II**

**Credit**

*Year Course*

OHP200	511141	Oral Health Promotion 11.....	10
CLP200	511213	Clinical Practice 11.....	30
LAS200	511227	Local Anaesthesia and Oral Surgery.....	10
RAD200	550632	Radiography 11.....	10
CON210	521201	Conservative Dentistry, Prosthetics and Orthodontics for Oral Hygiene.....	10

***1<sup>st</sup> Semester***

SPC210	511212	Special Patient Care.....	15
ODP220	521210	Oral Diseases II .....	15

***2<sup>nd</sup> Semester***

MHD223	511234	Measurement of Health and Disease.....	10
PRV212	511231	COH Prevention .....	5
EPM224	511233	Ethics .....	5
HST211	511232	Health Systems.....	5
PMP220	511200	Practice Management & Professional Development.....	5

**BOH III**

**Credit**

***Year Course***

CLP300	521012	Clinical Practice 111 .....	40
ARS300	521014	Applied research .....	20

***1<sup>st</sup> Semester***

ODP310	521011	Oral Diseases and Prevention 111.....	20
--------	--------	---------------------------------------	----

***2<sup>nd</sup> Semester***

OHP320	521013	Oral Health Promotion 111.....	25
		Electives .....	15

**BOH III**

4 compulsory modules are offered with a total of 105 credit points.

Electives are chosen from other faculties with a total of 15 credit points. Choices may be made from the following modules:

- Industrial Psychology BPS 111 (IPS 111; 12 1111)
- Industrial Psychology BPS 121 (IPS 121; 12 1121)
- Brain and Behaviour 112 (PSY 112; 861015)
- Introduction to Psychology 111 (PSY 111; 861013)
- Psychology of Child Development 121 (PSY121; 861012)
- Xhosa 111 (XHO 111; 296113)

Details of electives obtainable from respective faculties.

**G.18 ASSESSMENT AND PROMOTION RULES**

**G.18.1 Assessment**

- (a) 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 three 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.

- (b) For a student to be admitted to the final examination in the Clinical Practice I, II or III modules;
  - (i) the student must obtain at least 50% in the clinical component of the coursework assessment
  - (ii) minimum quotas for the various clinical procedures as indicated in the module guides should be met
  - (iii) not more than 20% of unacceptable scores in the clinical competence assessment will be allowed.

#### 18.2 *Promotion*

- (a) Students in the Oral Health I, II or III academic year, repeating a year or part of a year (one semester or longer), must register for the Clinical Practice module for the year concerned.
- (b) Students who do not qualify to be promoted to DiplOH II/ BOH II, and who have passed more than 50% of the modules will automatically be re-admitted into the DiplOH I/ BOH I the following year.
- (c) Students who have not passed 50% of the DiplOH I/ BOH I modules will have to re-apply and go through the selection process.
- (d) A student who has failed the requirements for promotion to the following year of study in two consecutive years has to formally apply for re-admission.
  - (d) Re-admission may be subject to specific conditions laid down by the faculty board.

#### 18.3 *Remarking of examination scripts*

Where provision is made for the remarking of the examination scripts (Rule A.5.2.15), attention is drawn to the fact that the mark allocated in the oral examination remains the same.

#### 18.4 *Recognition of modules*

In order to pass a module, a student should obtain:

- (a) A final mark of at least 50%, (computed for the continuous evaluation and formal examination - where applicable), provided that at least a sub-minimum of 40% is obtained in the formal examination for the DiplOH and the BOH.
- (b) A candidate 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:
  - (i) the attendance requirements are complied with, and
  - (ii) a continuous evaluation mark of 55% is attained.

- 18.5 *Admission to re-evaluation/ supplementary examination*  
At the end of each final examination session, provision may be made for a re-evaluation/ supplementary examination
- (a) Unless Senate decides otherwise -
    - (i) The student will be admitted to a re-evaluation/ supplementary examination in respect of a final examination for which he/she has attained a final mark of at least 45% or
    - (ii) A candidate with a continuous mark of at least 50% will be admitted to a re-evaluation/ supplementary examination in respect of a final examination which he/she has failed. (NB: 40% sub-minimum for final formal examination for DiplOH and BOH).
  - (b) The re-evaluation/ supplementary examination will be based on work prescribed for the final examination concerned. It may include an oral and/or written examination. In the case of a written re-evaluation, shorter examination papers may be set.
  - (c) The maximum final mark awarded for the module in which the formal examination includes a re-evaluation examination will be 50%. If the repeat mark is lower than the original assessment, the original mark will stand. For a supplementary examination the final mark will be the actual mark obtained.

G.19 **Promotion**

Notwithstanding any provisions to the contrary and unless Senate decides otherwise -

19.1 **DiplOH I/ BOH I**

- (a) First year students will register only for semester I modules and year modules at their initial registration.
- (b) To proceed to the second semester, the student must obtain a minimum of 15 credits in the first semester. Students who do not meet this requirement are required to de-register from the Oral Health programme.
- (c) If at the end of the first semester the student fails **both** Introduction to Clinical Practice and Human Biology for Oral Health:
  - (i) the student will not be allowed to repeat either of these modules in semester II
  - (ii) the student will continue with the year modules started in the first semester and will select a limited number of semester II modules
  - (iii) the first year is then extended over two academic years
  - (iv) in the above instance the student will have to re-apply (see rule 18.2 )
- (d) To qualify for promotion to the DiplOH II/ BOH II a student must pass all the modules prescribed for DiplOH I/ BOH I. However, a maximum of 10 credits from first year modules may be carried while a student commences with second year modules. The modules that may be carried are Health, Development and PHC and Interdisciplinary Health Promotion, Xhosa and Afrikaans subject to the 10 credit proviso. Any modules carried to the

second year should not clash with the second year programme. If there is a clash, students will have to register for an additional semester at the end of the second year to complete the outstanding module(s).

- (e) A student who does not qualify for promotion to DiplOH II/ BOH II will have to re-apply for admission in the following year. However, if the student has obtained more than 50% of the modules, re-admission will be automatic.
- (f) A student may retain credit for Clinical Practice I but must satisfy the attendance requirements and obtain a coursework mark of 55%.

## 19.2 **DiplOH II/ BOH II**

### **DiplOH II**

- (a) In order to fulfill the requirements for completion of the DiplOH, a student must have passed all the prescribed modules for the first two years.
- (b) Students who have passed less than 60% of the modules (credit value) will repeat the entire year. When repeating the year, a student may be exempted from the examination in any module for which credits were obtained, provided that the student:
  - (i) complies with the attendance requirements and
  - (ii) obtains a continuous assessment mark of at least 55% (see rule 18.4b)
- (c) Students who have passed more than 60% of the modules (credit value) need only register for the modules that they failed. All students must register for Local Anaesthesia and Oral Surgery.
- (d) See rule 18.2a for the Clinical Practice I module.

### **BOH II**

- (a) To qualify for promotion to the third year, a student must pass all the prescribed modules for BOH II.
- (b) Students who have passed less than 60% of the modules (credit value) will repeat the entire year. When repeating the year, a student may be exempted from the examination in any module for which credits were obtained, provided that the student:
  - (i) complies with the attendance requirements and
  - (ii) obtains a continuous assessment mark of at least 55% (see rule 18.4b).
- (c) Students who have passed more than 60% of the modules (credit value) need only to register for the modules that they failed. All students must register for Local Anaesthesia and Oral Surgery.
- (d) See rule 18.2a for the Clinical Practice II module.
- (e) Students may not carry any incomplete modules from BOH II to BOH III.

19.3 **BOH III**

- (a) In order to fulfill the requirements for completion of the BOH degree, a student must have passed all the prescribed modules from the first to the third years as well as the electives.
- (b) When repeating the year, students:
  - (i) may retain credits for modules they have passed
  - (ii) must register for Clinical Practice III (see rule 18.2a)
- (c) A student who has failed the requirements for promotion in two consecutive years has to formally re-apply for admission.

**POSTGRADUATE PROGRAMMES IN DENTISTRY**

POSTGRADUATE PROGRAMME IN DENTISTRY

Please consult *The University Calendar 2009 Part VI Faculty of Dentistry (B)*

*Postgraduate* for detailed information about postgraduate programmes in the Faculty of Dentistry.

The following postgraduate programmes are available:

**a. Postgraduate Diploma in Dentistry [PDD]**

- \* Aesthetic Dentistry
- \* Clinical Dentistry
- \* Dental Education
- \* Endodontics
- \* Forensic Dentistry
- \* Implantology
- \* Interceptive Orthodontics
- \* Maxillo-Facial Radiology
- \* Minor Oral Surgery
- \* Oral Pathology
- \* Paediatric Dentistry
- \* Removable Prosthodontics
- \* Sedation and Pain Control

**b. Bachelor of Science in Dental Sciences with Honours**

**[BSc (Dent Sc) (Hons)]**

The BSc (Dent Sc) (Hons) is available in any of the disciplines offered by the Faculty of Dentistry.

**c. Magister Scientiae (Dentium) MSc (Dent)**

**i. By (Structured Programme)**

- \* Dental Public Health
- \* Forensic Dentistry
- \* Maxillo-Facial Radiology
- \* Oral Medicine
- \* Oral Medicine & Periodontology

- \* Oral Pathology
- \* Paediatric Dentistry
- \* Periodontology
- \* Restorative Dentistry

**ii. By (Research Only)**

The MSc (Dent) by research only is available in any of the disciplines offered by the Faculty of Dentistry.

**d. Magister Chirurgiae Dentium [MChD]**

- \* Community Dentistry
- \* Maxillo-Facial and Oral Surgery
- \* Oral Medicine and Periodontics
- \* Oral Pathology
- \* Orthodontics
- \* Prosthodontics

**e. Philosophiae Doctor [PhD]**

The PhD degree is available in any of the disciplines offered by the Faculty of Dentistry. It can be achieved by research only, or through a portfolio of already published independent and original research.

## MODULE DESCRIPTORS

*Note: The specifications of learning time in UWC's module descriptors are subject to change according to circumstances such as timetabling and other practical considerations: the analysis of learning time therefore is purely indicative. However the overall number of notional learning hours for each module is linked to credit value and is therefore fixed.*

### BChD I

#### ALD100

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term  
Programmes in which the  
module will be offered:  
Level:  
Main outcomes:

#### Academic Literacy

Community Oral Health  
Academic Literacy  
Academic Literacy  
ALD100  
10  
Y  
Semester 1 & 2

BChD

5

On completion of this module, the student will be able to:

- demonstrate an awareness of the consequence of lifestyle choices
- understand and generate academic text in oral health
- prepare for examinations using appropriate study skill strategies
- use Greek and Latin roots to explain the meaning of dental terms

Main content:

#### Life Skills

- problem solving strategies
- skills for a balanced lifestyle
- time management
- communication – public speaking and small group skills
- presentation skills
- stress management
- conflict resolution
- anti-bias – personal work
- sexuality/HIV/Aids education
- substance abuse
- assertiveness training

#### Academic Skills

- what is academic discourse
- scientific writing skills
  - (i) the discourse
  - (ii) how to tackle assignments/ essay questions (eg What does “critically discuss” mean?)
  - (iii) how to structure an assignment

- (iv) drafting and editing assignments
- (v) referencing/ bibliographies
- scientific reading skills
  - (i) critical reading skills
  - (ii) reading academic English as a second language
- note-taking skills
- using the library
  - (i) finding books/ journals
  - (ii) using Calico
  - (iii) using the internet for literature searches (this would be specific to the oral health sciences as opposed to the more generic skills covered in the computer module)

Study Skills

- examination skills
- OSCE strategies

Language Skills

- vocabulary specific to the oral health field
- Greek and Latin terms used in health science vocabulary

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer/tutor	40 hours
Groupwork outside class time	20 hours
Assignments, tasks, self-study	40 hours
<u>Total learning time</u>	<u>100 hours</u>

Methods of student assessment:

This is a year long module, with contact sessions in the first semester. Assessment of both a formative and summative nature will be continuous. There will be no final examination as the nature of this module is developmental.

Academic Essay	60%
Group Presentation	30%
Attendance	10%
Total	100%

The passmark for this module is 50%. A subminimum of 50% is required in order to pass the module.

**LSC141:**

Home Department:

**Cell & Molecular Biology**

Module Topic:

Biodiversity and Conservation Biology

Generic Module Name:

Life Sciences

Alpha-Numeric Code:

Cell & Molecular Biology

Credit Value:

LSC141

Duration:

15

Proposed Semester/ Term

S

Programmes in which the

Semester 1

module will be offered:	BChD										
Level:	5										
Main outcomes:	On completion of the module, the learner will be able to <ul style="list-style-type: none"> <li>- describe cell structure, and cell function</li> <li>- explain molecular processes of the cell</li> <li>- demonstrate practical skills in microscopy</li> <li>- collate information from various sources and present such information in written form</li> </ul>										
Main content:	<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</li> <li>- Mitosis, meiosis, chromosomes and genes</li> <li>- Mendelian and biochemical genetics, Evolution</li> </ul>										
Pre-requisite Modules:	None										
Co-requisite Modules:	None										
Prohibited Module											
Combinations:	None										
Breakdown of Learning Time:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Practicals</td> <td style="text-align: right;">42 hours</td> </tr> <tr> <td>Contact time (lecturer/tutor)</td> <td style="text-align: right;">56 hours</td> </tr> <tr> <td>Self-study and assignments</td> <td style="text-align: right;">46 hours</td> </tr> <tr> <td>Examinations</td> <td style="text-align: right;">6 hours</td> </tr> <tr> <td><u>Total learning time</u></td> <td style="text-align: right;"><u>150 hours</u></td> </tr> </table>	Practicals	42 hours	Contact time (lecturer/tutor)	56 hours	Self-study and assignments	46 hours	Examinations	6 hours	<u>Total learning time</u>	<u>150 hours</u>
Practicals	42 hours										
Contact time (lecturer/tutor)	56 hours										
Self-study and assignments	46 hours										
Examinations	6 hours										
<u>Total learning time</u>	<u>150 hours</u>										
Methods of student assessment:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Examinations</td> <td style="text-align: right;">65%</td> </tr> <tr> <td>Practical</td> <td style="text-align: right;">25%</td> </tr> <tr> <td>Tutorial</td> <td style="text-align: right;">10%</td> </tr> </table>	Examinations	65%	Practical	25%	Tutorial	10%				
Examinations	65%										
Practical	25%										
Tutorial	10%										

<b>CHE118:</b>	<b>Chemistry for Dentistry Students</b>
Home Department:	Chemistry
Module Topic:	Chemistry
Generic Module Name:	Chemistry for Dentistry Students
Alpha-Numeric Code:	CHE118
Credit Value:	15
Duration:	S
Proposed Semester/ Term:	Semester 1
Programmes in which the module will be offered:	BChD
Level:	5
Main outcomes:	On completion of the module, the student will be able to: <ul style="list-style-type: none"> <li>- explain the basic elements and principles of inorganic, general, and organic chemistry.</li> </ul>
Main content:	<p>Introduction to chemistry:</p> <ul style="list-style-type: none"> <li>- periodic table</li> <li>- atoms molecules and ions</li> <li>- chemical formulae</li> <li>- mole concept</li> <li>- chemical reactions</li> <li>- chemical bonds</li> </ul>

- redox reactions
- gases, solutions
- acids and bases
- hydrocarbons, alcohols and ethers, aldehydes and ketones, carboxylic acids and esters, amines and amides, carbohydrates, proteins, lipids.

Pre-requisite Modules:	None
Co-requisite Modules:	None
Prohibited Module	
Combinations:	None
Breakdown of Learning Time:	
	Contact with Lecturer/Tutor 48 hours
	Tutorials discussed 16 hours
	Tests and Examinations 8 hours
	Self study 78 hours
	<u>Total learning time 150 hours</u>
Methods of student assessment:	
	Test 1 12.25%
	Test 2 12.25%
	Test 3 12.25%
	Test 4 12.25%
	Final Test 50%

**CLD100:**

Home Department:	Community Oral Health
Module Topic:	Clinical Dentistry
Generic Module Name:	Clinical Dentistry I
Alpha-Numeric Code:	CLD100
Credit Value:	15
Duration:	Y
Proposed Semester/ Term:	Semester 1 & 2
Programmes in which the module will be offered:	BChD
Module Type:	P
Level:	5
Main outcomes:	On completion of the module, the student will be able to:

- recognise and describe oral tissues in health and disease
- describe the aetiology of common oral diseases and the common risk factor approach
- provide a brief description of tooth accumulated material
- explain global trends in oral health and disease across rich and poor countries
- compare population-wide and individual high risk strategies of oral health promotion
- motivate for key concepts in the ethics of caring and health care
- describe ethics in health care
- give a brief description of the various disciplines of clinical dental practice
- describe the facilities and infrastructure of the main teaching bases at the University and the code of conduct

Main content:	<ul style="list-style-type: none"> <li>- describe basic principles and methods of infection control in the clinical environment</li> <li>- describe concepts of oral health education and communication in dentistry.</li> <li>- The Healthy Mouth</li> <li>- Concepts of Common Oral Diseases</li> <li>- Introduction to Communication and Oral Health Education</li> <li>- Oral Self Care Practices</li> <li>- Global Trends of Disease</li> <li>- Infection Control in the Clinical Environment</li> <li>- Ethics in Health Care</li> </ul>														
Pre-requisite Modules:	None														
Co-requisite Modules:	None														
Prohibited Module															
Combinations:	None														
Breakdown of Learning Time:	<table border="0" style="width: 100%;"> <tr> <td>Contact with lecturer / tutor</td> <td style="text-align: right;">60 hours</td> </tr> <tr> <td>Assignments &amp; tasks</td> <td style="text-align: right;">30 hours</td> </tr> <tr> <td>Tests &amp; examinations</td> <td style="text-align: right;">48 hours</td> </tr> <tr> <td>Self-study</td> <td></td> </tr> <tr> <td>Practicals</td> <td style="text-align: right;">12 hours</td> </tr> <tr> <td>Other (specify)</td> <td></td> </tr> <tr> <td><u>Total learning time</u></td> <td style="text-align: right;"><u>150 hours</u></td> </tr> </table>	Contact with lecturer / tutor	60 hours	Assignments & tasks	30 hours	Tests & examinations	48 hours	Self-study		Practicals	12 hours	Other (specify)		<u>Total learning time</u>	<u>150 hours</u>
Contact with lecturer / tutor	60 hours														
Assignments & tasks	30 hours														
Tests & examinations	48 hours														
Self-study															
Practicals	12 hours														
Other (specify)															
<u>Total learning time</u>	<u>150 hours</u>														
Methods of student assessment:	<table border="0" style="width: 100%;"> <tr> <td>Continuous assessment</td> <td style="text-align: right;">50%</td> </tr> <tr> <td>Final Examination</td> <td style="text-align: right;">50%</td> </tr> </table> <p>Continuous assessment with a strong formative focus will contribute 50% of the overall mark. The objective of the continuous assessment is to ensure that the student has adequate core knowledge and skills in all areas of Clinical Dentistry. The continuous assessment will include tests, OSCEs, assignments, and clinical marks.</p> <p>A final sit-down examination at the end of the year will contribute 50% to the overall mark. The final examination will test the integration and application of all the components of Clinical Dentistry.</p>	Continuous assessment	50%	Final Examination	50%										
Continuous assessment	50%														
Final Examination	50%														

**371024:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

**Computer Literacy 124**

Computer Science  
Computer Literacy  
Computer Literacy 124  
371024  
15  
S  
Semester 2  
BChD  
5  
On completion of this module, the student will be able to:  
- use computers (including e-mail and Internet), software

- and multimedia to create and edit documents
- make effective use of worksheets and databases
- integrate different application software packages
- make effective use of and explain the relationship between programs, data, files and file organization on a computer system; computer architecture; the computer marketplace; local area networks and e-mail; the Internet, data security and control

Main content:

Practical Concepts:

- Introduction to an operating system, e-mail and the Internet
- Applications software including word processing and spreadsheets; introduction to database management; introduction to presentation graphics; and the integration of the above mentioned application programs

Theoretical Concepts:

- System programs; data and data organization
- Files and records, file management
- Principles and usage of basic software
- Systems programs; data and data organisation
- Computer architecture; The computer marketplace
- Local area networks and e-mail
- The Internet, data security and control

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor	32 hours
Assignments & tasks	16 hours
Tests & examinations	10 hours
Self-study	60 hours
Practicals	32 hours
Other (specify)	
<u>Total learning time</u>	<u>150 hours</u>

Methods of student assessment:

Continuous assessment 100%  
(including assignments/projects, quizzes and on-line tests)

**HDP110:**

Home Department:

**Health, Development and Primary Health Care**

Faculty of Community and Health Sciences

Module Topic:

Primary Health Care

Generic Module Name:

Health, Development and Primary Health Care

Alpha-Numeric Code:

HDP110

Credit Value:

5

Duration:

T

Proposed Semester/ Term:

Term 3

Programmes in which the

module will be offered:

BChD, OH, BOH

Level:

5

Main outcomes:	On completion of the module, the student will be able to										
	<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, academic argument.</li> </ul>										
Main content:	<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>										
Pre-requisite Modules:	None										
Co-requisite Modules:	None										
Prohibited Module											
Combinations:	None										
Breakdown of Learning Time:	<table> <tr> <td>Contact with lecturer / tutor</td> <td>16 hours</td> </tr> <tr> <td>Assignments &amp; tasks</td> <td>16 hours</td> </tr> <tr> <td>Tests &amp; examinations</td> <td>2 hours</td> </tr> <tr> <td>Self-study</td> <td>16 hours</td> </tr> <tr> <td><u>Total learning time</u></td> <td><u>50 hours</u></td> </tr> </table>	Contact with lecturer / tutor	16 hours	Assignments & tasks	16 hours	Tests & examinations	2 hours	Self-study	16 hours	<u>Total learning time</u>	<u>50 hours</u>
Contact with lecturer / tutor	16 hours										
Assignments & tasks	16 hours										
Tests & examinations	2 hours										
Self-study	16 hours										
<u>Total learning time</u>	<u>50 hours</u>										
Methods of student assessment:	<table> <tr> <td>Assignment</td> <td>60%</td> </tr> <tr> <td>'Take home' tests</td> <td>40%</td> </tr> </table>	Assignment	60%	'Take home' tests	40%						
Assignment	60%										
'Take home' tests	40%										

### **HIB105:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
programmes in which the  
Module will be offered:  
Level:  
Main outcomes:

### **Human Biology for Dentistry I**

Medical Biosciences  
Human Biology  
Human Biology for Dentistry I  
HUB105  
40  
S  
Semester 2

BChD  
5

On completion of the module, the student should:

- Understand the importance of cells to operate within the homeostatically controlled internal environment
- Describe the embryonic origins of tissues and the correlations between origin and function of tissue cells
- Understand the physiology of haemostasis and blood types

Main content:	<ul style="list-style-type: none"> <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> <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, teeth, skin, neural tissue, the lymphatic system and muscle</li> <li>- Electrolyte and fluid balance</li> <li>- Blood, haemostasis, blood types, immunology and 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>						
Pre-requisite Modules:	None						
Co-requisite Modules:	None						
Prohibited Module							
Combinations:	None						
Breakdown of Learning Time:	<table border="0" style="width: 100%;"> <tr> <td style="padding-right: 20px;">Formal lectures</td> <td>(6x1h)/wk = 84h</td> </tr> <tr> <td>Practicals</td> <td>(2x3h)/wk = 84h</td> </tr> <tr> <td>Tutorials</td> <td>(2x1h)/wk = 28h</td> </tr> </table>	Formal lectures	(6x1h)/wk = 84h	Practicals	(2x3h)/wk = 84h	Tutorials	(2x1h)/wk = 28h
Formal lectures	(6x1h)/wk = 84h						
Practicals	(2x3h)/wk = 84h						
Tutorials	(2x1h)/wk = 28h						

	Assessments (pracs and theory) 6x1.5h = 9h
	Assignments & tasks 56 hours
	Other (specify) 139 hours (library, internet, study, administration)
	<u>Total learning time</u> 400hours
Methods of student assessment:	Continuous assessment 50%
	Final examination 50% (2x 1.5h papers)

**AFR120:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the  
module will be offered:  
Level:  
Main outcomes:

**Introduction to Afrikaans (Dentistry)**

Afrikaans & Nederlands  
Introduction to Afrikaans  
Introduction to Afrikaans (Dentistry)  
AFR120  
10  
S  
Semester 2

BChD, OH, BOH

5

- At the end of the module, the learner should:
- Understand the position of Afrikaans relevant to the other languages in South Africa and in the immediate professional environment
  - demonstrate adequate proficiency regarding the four basic language skills, i.e. listening, speaking, reading, and writing
  - be able to participate in elementary verbal communicative interaction in the dental care context
  - have the basic reading and writing skills required in the dental care context
- Main content:
- greeting and asking after well being
  - getting acquainted and exchanging pleasantries
  - establishing a professional relationship
  - questions and responses
  - requests, suggestions, and explanations with particular emphasis on appropriate structures within the dental care context
  - taking leave

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

contact with lecturer/tutor 42 hours  
Assignments & tasks 12 hours  
Self study 46 hours

Practicals:

Other (specify):

Total learning time 100hours

Methods of student assessment: Continuous assessment 50%  
Final examination 50%

**CHO120:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the  
module will be offered:  
Level:  
Main outcomes:

**Introduction to Xhosa (Dentistry)**

Xhosa  
Introduction to Xhosa  
Introduction to Xhosa (Dentistry)  
CHO120  
10  
S  
Semester 2  
BChD, OH, BOH  
5

- At the end of the module, the learner should:
- Understand the position of Xhosa relevant to the other languages in South Africa and in the immediate professional environment
  - demonstrate adequate proficiency regarding the four basic language skills, i.e. listening, speaking, reading, and writing
  - be able to participate in elementary verbal communicative interaction in the dental care context
  - have the basic reading and writing skills required in the dental care context
- Main content:
- greeting and asking after well being
  - getting acquainted and exchanging pleasantries
  - establishing a professional relationship
  - questions and responses
  - requests, suggestions, and explanations with particular emphasis on appropriate structures within the dental care context
  - taking leave

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

contact with lecturer/tutor	42 hours
Assignments & tasks	12 hours
Self study	42 hours

Practicals:

Other (specify):

<u>Total learning time</u>	<u>100hours</u>
----------------------------	-----------------

Methods of student assessment:

Continuous assessment	50%
Final examination	50%

**PHY113:**

Home Department:  
Module Topic:

**Physics 113**

Physics  
Physics

Generic Module Name:	Physics 113	
Alpha-Numeric Code:	PHY113	
Credit Value:	15	
Duration:	S	
Proposed Semester/ Term:	Semester 1	
Programmes in which the module will be offered:	BChD	
Level:	5	
Main outcomes:	<p>On completion of this module, the student will be able to:</p> <ul style="list-style-type: none"> <li>- discuss in conceptual terms fundamentals of introductory mechanics, elasticity, hydrostatics, X-rays and electricity.</li> <li>- solve both qualitative and quantitative problems in relation to everyday life with special reference to the context of dentistry</li> <li>- work in a physics laboratory environment that draws upon fundamentals in recording, representing and interpreting data.</li> </ul>	
Main content:	<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>	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Lectures	48 hours
	Evaluation	5 hours
	Tutorials	16 hours
	Practicals	48 hours
	Homework, assignments, self-study	33 hours
	<b>Total</b>	<b>150 hours</b>
Methods of student assessment:	Tests and Assignments	20%
	Practicals	20%
	Tests	60%

## BChD II

### **BDM210:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the  
module will be offered:  
Level:  
Main outcomes:

### **Basics of Dental Materials**

Restorative  
Basics of Dental Materials  
Basics of Dental Materials  
BDM210  
5  
S  
Semester 1

BChD  
6

On completion of this module, the student will be able to:

- Explain the physicochemical principles that underlie the properties of dental materials
- Explain the role that these properties play in the storage, handling, placement, setting and intra-oral function of that material.
- Handle the everyday laboratory materials gypsum and wax appropriately

Main content:

The module will include:

- Physical and Chemical Principles of Dental Materials:
  - Structure of solids (interatomic bonding, crystalline solids, nature of metals and alloys)
  - Mechanical properties (force, strain, stress, strain-stress curves, tensile and compressive properties, fatigue strength, hardness and abrasion resistance)
  - Rheological properties (viscosity, flow, visco-elasticity)
  - Thermal properties (conductivity and expansion)
  - Light, colour and colour perception (light transmission, absorption, scattering, opacity, translucency, transparency, colour measurement)
- Principles of adhesion and bonding (micro-mechanical adhesion, wettability, surface energy/ surface tension, contact angle, viscosity and bonding)
- Polymers and polymerization (basic nature of polymers, spatial structures, mechanisms of polymerisation)
- Tarnish and Corrosion (electrochemistry, examples of corrosion, galvanic pain)
- Everyday materials used for laboratory or pre-clinical/ clinical procedures
  - Gypsum products
  - Waxes

Pre-requisite Modules:  
Co-requisite Modules:  
Prohibited Module

None  
None

Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	15 hours
	Assignments and tasks	15 hours
	Tests and examinations	5 hours
	Self-study	15 hours
	<u>Total learning time</u>	<u>50 hours</u>
Methods of student assessment:	Class test	50%
	Exam	50%
	Students need to obtain 50% to pass this module	

**BDP220:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the  
module will be offered:  
Level:  
Main outcomes:

**Basis of Disease Processes**

Oral Pathology  
Pathology  
Basis of Disease Processes  
BDP220  
15  
S  
Semester 2

BChD  
6

On completion of this module, the student will be able to:

- explain the different causes (aetiology) of diseases, including microorganisms and viruses (infective aetiological factors of diseases)
- 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
- 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
- correctly use the terminology of pathology in oral and written communication
- demonstrate mastery of the principles of antimicrobial therapy and hospital hygiene.

Main content:

- General characteristics, classification and properties of bacteria and viruses
- Introduction to pathology and basic terminology
- Characteristics, classification and incidence of disease
- Genetic and environmental causes of disease
- Diagnostic pathology in clinical practice
- The laboratory diagnosis of microbiological and viral infections
- Bacterial metabolism, physiology, genetics and antibiotic resistance
- Pathogenicity and virulence of bacteria
- Medically important bacteria, fungi and parasites
- Antibacterial medications

- Infection control, sterilization and disinfection
- Pathogenesis and epidemiology of viral infections
- Immune response to viral infections
- Disorders of growth, differentiation and morphogenesis
- Responses to cellular injury
- Disorders of metabolism and homeostasis
- Ischaemia, infarction and shock
- Immunology and immunopathology
- Acute and chronic inflammation
- Carcinogenesis and neoplasia
- Ageing and death

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor	50 hours
Assignments and tasks (group work)	21 hours
Tests and examinations	6 hours
Directed self-study	20 hours
Practicals	8 hours
Other (self-study)	45 hours
<u>Total learning time</u>	<u>150 hours</u>

Methods of student assessment:

Tests	50%
(Written = 75 marks + Practical =25 marks)	
Final examination (100 marks)	50%

**CLD200:**

**Clinical Dentistry II**

Home Department:

Oral Medicine and Periodontology

Module Topic:

Clinical Dentistry

Generic Module Name:

Clinical Dentistry II

Alpha-Numeric Code:

CLD200

Credit Value:

30

Duration:

Y

Proposed Semester/ Term:

Semester 1 & 2

Programmes in which the

module will be offered:

BChD

Level:

6

Main outcomes:

- On completion of the module, the student will be able to:
- Describe the role of the oral health team within the South African context
  - Review the anatomy of the periodontium
  - Review the anatomy of hard and soft tissues of the oral cavity
  - Describe tooth accumulated material in detail
  - Describe the two main oral diseases and related aetiology in detail

- Describe and demonstrate the principles of prevention of common oral diseases and the promotion of oral health
- Comprehensively record the patient's history, conduct an intra-oral and extra-oral examination as well as demonstrate a systematic approach to note taking and recording of patient's medical and dental histories
- Make a diagnosis and draw up an appropriate treatment plan
- Initiate and manage early interventive procedures for periodontal disease and dental caries
- Perform a basic screening and appropriate oral health education in a school environment
- Explain and apply the principles of confidentiality and other ethical issues around the importance of patient care
- Describe in detail the infection control and sterilization procedures and principles applied in a clinical environment
- Apply sound infection control principles in a clinical environment
- Recognise, name and identify the uses of:
  - The basic examination set
  - Clinical equipment for patient management
- The role of the oral health team in the South African context
- Basic anatomy of hard and soft tissues of the oral cavity
- Review of the healthy mouth
- Common oral diseases and prevention
- Clinical and radiographic diagnosis of periodontal disease and dental caries
- Clinical skills for the management of early dental caries and periodontal diseases
- Patient examination, diagnostic recording and notetaking
- Infection control in the dental environment
- Principles of sterilization
- The oral examination- instrumentation and clinical equipment
- Communication in dentistry
- Oral health promotion

Main content:

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor	120 hours
Assignments & tasks	30 hours
Tests & examinations	10 hours
Self-study	20 hours
Practicals/Clinicals	120 hours
Other (specify)	
<u>Total learning time:</u>	<u>300 hours</u>

Methods of student assessment: Continuous assessment 50%  
 Final Examination 50%

Continuous assessment with a strong formative focus will contribute 50% of the overall mark. The objective of the continuous assessment is to ensure that the student has adequate core knowledge and skills in all areas of Clinical Dentistry. The continuous assessment will include tests, OSCEs, assignments, and clinical marks.

A final sit-down examination at the end of the year will contribute 50% to the overall mark. The final examination will test the integration and application of all the components of Clinical Dentistry.

**HUB205:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the module will be offered:  
 Level:  
 Main outcomes:

**Human Biology for Dentistry II**

Medical Biosciences  
 Human Biology  
 Human Biology for Dentistry II  
 HUB205  
 40  
 S  
 Semester 1

BChD  
 6

- On completion of the module, the student should:
- Explain the role of nutrition in health.
  - Relate the anatomy of the GIT, and associated structures, to the mechanisms of motility, secretion, digestion and absorption.
  - Understand the neural and endocrine control of the processes of the digestive system
  - Describe the functional anatomy and histology of the major endocrine glands and the reproductive systems
  - Describe calcium and phosphorous metabolism, its hormonal control and bone metabolism.
  - Understand the physiology and physical mechanisms that maintain thermal homeostasis
  - Describe the menstrual cycle and hormonal context of pregnancy, lactation, contraception and HRT
  - Understand the development of the head, neck and central nervous system of the fetus.
  - Understand the anatomy of the head and neck with emphasis on the oral and peri-oral region.
  - Understand the important functional pathways of the central nervous system
  - Have an integrated understanding of the structure and function of the central nervous system.
  - Understand the cranial nerves

Main content:	<ul style="list-style-type: none"> <li>- Body composition</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> <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>																
Pre-requisite Modules:	None																
Co-requisite Modules:	None																
Prohibited Module																	
Combinations:	None																
Breakdown of Learning Time:	<table> <tr> <td>Formal lectures</td> <td>(6 x 1h)/wk = 84h</td> </tr> <tr> <td>Practicals</td> <td>(2 x 3h)/wk = 84h</td> </tr> <tr> <td>Tutorials</td> <td>(2 x 1h)/wk = 28h</td> </tr> <tr> <td>Assessments (pracs and theory)</td> <td>(6 x 1.5h)/wk = 9h</td> </tr> <tr> <td>Assignments &amp; task</td> <td>56 hours</td> </tr> <tr> <td>Other (specify)</td> <td>39 hours</td> </tr> <tr> <td>(library, internet, study, administration)</td> <td></td> </tr> <tr> <td><u>Total learning time</u></td> <td><u>400 hours</u></td> </tr> </table>	Formal lectures	(6 x 1h)/wk = 84h	Practicals	(2 x 3h)/wk = 84h	Tutorials	(2 x 1h)/wk = 28h	Assessments (pracs and theory)	(6 x 1.5h)/wk = 9h	Assignments & task	56 hours	Other (specify)	39 hours	(library, internet, study, administration)		<u>Total learning time</u>	<u>400 hours</u>
Formal lectures	(6 x 1h)/wk = 84h																
Practicals	(2 x 3h)/wk = 84h																
Tutorials	(2 x 1h)/wk = 28h																
Assessments (pracs and theory)	(6 x 1.5h)/wk = 9h																
Assignments & task	56 hours																
Other (specify)	39 hours																
(library, internet, study, administration)																	
<u>Total learning time</u>	<u>400 hours</u>																
Methods of student assessment:	<table> <tr> <td>Continuous assessment</td> <td>50%</td> </tr> <tr> <td>Final examination (2 x 1.5h papers)</td> <td>50%</td> </tr> </table>	Continuous assessment	50%	Final examination (2 x 1.5h papers)	50%												
Continuous assessment	50%																
Final examination (2 x 1.5h papers)	50%																

<b>TMO200:</b>	<b>Human Tooth Morphology</b>
Home Department:	Conservative Dentistry
Module Topic:	Human Tooth Morphology
Generic Module Name:	Human Tooth Morphology
Alpha-Numeric Code:	TMO200
Credit Value:	5
Duration:	S
Proposed Semester/ Term:	Semester 1
Programmes in which the	

module will be offered:	BChD												
Level:	6												
Main outcomes:	On completion of the module, the student will be able to: <ul style="list-style-type: none"> <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 contact areas.</li> </ul>												
Main content:	<ul style="list-style-type: none"> <li>- Relevant Terminology</li> <li>- Significance of Tooth Morphology</li> <li>- Morphology of individual teeth</li> <li>- Terminology to describe the teeth.</li> <li>- Methods of identifying and locating teeth</li> <li>- Drawing teeth</li> <li>- Modelling teeth in wax</li> </ul>												
Pre-requisite Modules:	None												
Co-requisite Modules:	None												
Prohibited Module													
Combinations:	None												
Breakdown of Learning Time:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td>Contact with lecturer/tutor</td> <td style="text-align: right;">40 hours</td> </tr> <tr> <td>Assignments &amp; task</td> <td style="text-align: right;">5 hours</td> </tr> <tr> <td>Tests &amp; examinations</td> <td style="text-align: right;">5 hours</td> </tr> <tr> <td>Practicals</td> <td style="text-align: right;">35 hours</td> </tr> <tr> <td></td> <td style="text-align: right;">(included in contact time)</td> </tr> <tr> <td><b>Total learning time</b></td> <td style="text-align: right;"><b><u>50 hours</u></b></td> </tr> </table>	Contact with lecturer/tutor	40 hours	Assignments & task	5 hours	Tests & examinations	5 hours	Practicals	35 hours		(included in contact time)	<b>Total learning time</b>	<b><u>50 hours</u></b>
Contact with lecturer/tutor	40 hours												
Assignments & task	5 hours												
Tests & examinations	5 hours												
Practicals	35 hours												
	(included in contact time)												
<b>Total learning time</b>	<b><u>50 hours</u></b>												
Methods of student assessment:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td>Tests and assignments</td> <td style="text-align: right;">24%</td> </tr> <tr> <td>Quotas (qualitative &amp; quantitative)</td> <td style="text-align: right;">36%</td> </tr> <tr> <td>Final examination</td> <td style="text-align: right;">40%</td> </tr> </table> <p>Pass mark: 50% in course work to sit for examination and 50% in final examination</p>	Tests and assignments	24%	Quotas (qualitative & quantitative)	36%	Final examination	40%						
Tests and assignments	24%												
Quotas (qualitative & quantitative)	36%												
Final examination	40%												

<b>HPD111:</b>	<b>Interdisciplinary Health Promotion</b>
Home Department:	Faculty of Community & Health Sciences
Module Topic:	Health Promotion
Generic Module Name:	Interdisciplinary Health Promotion
Alpha-Numeric Code:	HPD111
Credit Value:	10
Duration:	T
Proposed Semester/ Term:	Term 3
Programmes in which the module will be offered:	BChD
Level:	6

Main outcomes:	On completion of the module, the student will be able to	
	<ul style="list-style-type: none"> <li>- discuss the main approaches to health promotion and that health promotion requires not only individual behaviour change and curative care but also social, political and environmental changes that address the underlying causes of ill-health.</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 and knowledge.</li> </ul>	
Main content:	<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 accessing 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 &amp; methods of evaluation</li> </ul>	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	28 hours
	Assignments & tasks: preparation and research	30 hours
	Self-study	21 hours
	Practicals	21 hours
	<u>Total learning time</u>	<u>100 hours</u>
Methods of student assessment:	Report	45%
	Peer Assessment	10%
	Project presentation	30%
	Journals	15%

<b>NRT220:</b>	<b>Non-Invasive and Minimally Invasive Restorative Dentistry</b>	
Home Department:	Conservative Dentistry	
Module Topic:	Non-Invasive and Minimally Invasive Restorative Dentistry	
Generic Module Name:	Non-Invasive and Minimally Invasive Restorative Dentistry	
Alpha-Numeric Code:	NRT220	
Credit Value:	10	
Duration:	S	

Proposed Semester/ Term:	Semester 2														
Level:	6														
Main outcomes:	On completion of this module, the student will 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>														
Main content:	<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>														
Pre-requisite Modules:	None														
Co-requisite Modules:	None														
Prohibited Module															
Combinations:	None														
Breakdown of Learning Time:	<table border="0" style="width: 100%;"> <tr> <td>Contact with lecturer / tutor</td> <td style="text-align: right;">16 hours</td> </tr> <tr> <td>Assignments &amp; tasks</td> <td style="text-align: right;">20 hours</td> </tr> <tr> <td>Tests &amp; examinations</td> <td style="text-align: right;">4 hours</td> </tr> <tr> <td>Self-study</td> <td style="text-align: right;">20 hours</td> </tr> <tr> <td>Practicals</td> <td style="text-align: right;">40 hours</td> </tr> <tr> <td>Other (specify)</td> <td></td> </tr> <tr> <td><u>Total learning time</u></td> <td style="text-align: right;"><u>100 hours</u></td> </tr> </table>	Contact with lecturer / tutor	16 hours	Assignments & tasks	20 hours	Tests & examinations	4 hours	Self-study	20 hours	Practicals	40 hours	Other (specify)		<u>Total learning time</u>	<u>100 hours</u>
Contact with lecturer / tutor	16 hours														
Assignments & tasks	20 hours														
Tests & examinations	4 hours														
Self-study	20 hours														
Practicals	40 hours														
Other (specify)															
<u>Total learning time</u>	<u>100 hours</u>														
Methods of student assessment:	<table border="0" style="width: 100%;"> <tr> <td>Tests and assignments</td> <td style="text-align: right;">25%</td> </tr> <tr> <td>Quotas (qualitative and quantitative)</td> <td style="text-align: right;">35%</td> </tr> <tr> <td>Examination</td> <td style="text-align: right;">40%</td> </tr> <tr> <td colspan="2">Passmark: 50% in coursework to sit for examination and 50% in final examination.</td> </tr> </table>	Tests and assignments	25%	Quotas (qualitative and quantitative)	35%	Examination	40%	Passmark: 50% in coursework to sit for examination and 50% in final examination.							
Tests and assignments	25%														
Quotas (qualitative and quantitative)	35%														
Examination	40%														
Passmark: 50% in coursework to sit for examination and 50% in final examination.															

<b>OBI210:</b>	<b>Oral Biology</b>
Home Department:	Oral Biology
Module Topic:	Oral Biology
Generic Module Name:	Oral Biology
Alpha-Numeric Code:	OBI210
Credit Value:	20
Duration:	S
Proposed Semester/ Term:	Semester 1
Level:	6
Main outcomes:	On completion of the module, the student will be able to: <ul style="list-style-type: none"> <li>- explain the relationship of the tooth to its immediate related structures</li> <li>- explain the structure, form, arrangement, and chronology of both deciduous and permanent teeth</li> <li>- explain the structure and function of oral mucosa</li> <li>- explain the process of tooth eruption</li> </ul>

Main content:	<ul style="list-style-type: none"> <li>- describe the age changes of soft and hard tissues of the oral cavity</li> </ul> <p>The following topics will be covered:</p> <ul style="list-style-type: none"> <li>- the tooth and its surroundings</li> <li>- the development and structure of dentine, enamel, cementum, and dental pulp</li> <li>- the form, arrangement, and chronology of teeth</li> <li>- the oral mucosa</li> <li>- the alveolar process</li> <li>- the periodontium</li> <li>- the nerve supply and sensitivity of teeth</li> <li>- tooth eruption</li> <li>- age changes on soft and hard tissue of the oral cavity</li> </ul>														
Pre-requisite Modules:	None														
Co-requisite Modules:	None														
Prohibited Module															
Combinations:	None														
Breakdown of Learning Time:	<table> <tr> <td>Contact with lecturer / tutorials:</td> <td>100 hours</td> </tr> <tr> <td>Assignments &amp; tasks</td> <td>30 hours</td> </tr> <tr> <td>Tests &amp; examinations</td> <td>20 hours</td> </tr> <tr> <td>Self-study</td> <td>20 hours</td> </tr> <tr> <td>Practicals</td> <td>30 hours</td> </tr> <tr> <td>Other (specify)</td> <td></td> </tr> <tr> <td><u>Total learning time</u></td> <td><u>200 hours</u></td> </tr> </table>	Contact with lecturer / tutorials:	100 hours	Assignments & tasks	30 hours	Tests & examinations	20 hours	Self-study	20 hours	Practicals	30 hours	Other (specify)		<u>Total learning time</u>	<u>200 hours</u>
Contact with lecturer / tutorials:	100 hours														
Assignments & tasks	30 hours														
Tests & examinations	20 hours														
Self-study	20 hours														
Practicals	30 hours														
Other (specify)															
<u>Total learning time</u>	<u>200 hours</u>														
Methods of student assessment:	<table> <tr> <td>Final Examination</td> <td>60%</td> </tr> <tr> <td>- Written component</td> <td></td> </tr> <tr> <td>- Practical component</td> <td></td> </tr> <tr> <td>- Oral examination</td> <td></td> </tr> <tr> <td>Year Mark</td> <td>40%</td> </tr> <tr> <td>- Regular tests</td> <td></td> </tr> <tr> <td>- 1 written assignment</td> <td></td> </tr> </table>	Final Examination	60%	- Written component		- Practical component		- Oral examination		Year Mark	40%	- Regular tests		- 1 written assignment	
Final Examination	60%														
- Written component															
- Practical component															
- Oral examination															
Year Mark	40%														
- Regular tests															
- 1 written assignment															

**PPT211:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

**Pre-clinical Periodontic Techniques**

Oral Medicine & Periodontology  
Pre-Clinical Periodontic Techniques  
Pre-Clinical Periodontic Techniques  
PPT211  
10  
T  
Semester 1  
BChD  
6  
On completion of this module, the student will be able to:

- explain the rationale for performance of selected clinical procedures

- identify and demonstrate the application of instruments used for the purpose of oral prophylaxis
  - describe and demonstrate the scaling technique
  - describe and demonstrate the sharpening techniques for various hand instruments used for periodontic therapy
  - explain and demonstrate the use of ultra-sonic and sonic scaling equipment
  - explain and demonstrate the technique of air polishing devices
- Main content:
- The purpose for oral prophylaxis
  - Significance of dental plaque and calculus
  - Methods of calculus detection
  - Types of instruments for scaling
  - Scaling technique
  - Instrument sharpening
  - Adjunctive instrumentation to manual scaling (ultra-sonic and sonic instrumentation)
  - Selective polishing
  - Airpolishing devices

Pre-requisite Modules: None

Co-requisite Modules: None

Prohibited Module

Combinations: None

Breakdown of Learning Time:	Contact with lecturer / tutor	20 hours
	Assignments & tasks	
	Tests & examinations	4 hours
	Self-study	6 hours
	Practicals/clinical	70 hours
	Other (specify)	
	<u>Total learning time</u>	<u>100 hours</u>

- Methods of student assessment:
- 1 written test on various topics in the discipline of periodontology
  - 1 practical examination which will comprise 50% of the continuous evaluation
  - 1 final examination which will contribute no more than 50% of the final mark. This examination will also include a clinical assessment of 50%.

**PRT220:**

Home Department:

Module Topic:

Generic Module Name:

Alpha-Numeric Code:

Credit Value:

Duration:

Proposed Semester/ Term

Programmes in which the module will be offered:

**Prosthetics Techniques**

Prosthetic Dentistry

Prosthetic Techniques

Prosthetic Techniques

PRT 220

10

T

Semester 2

BChD

Level:	6														
Main outcomes:	On completion of this module, the student will be able to: <ul style="list-style-type: none"> <li>- describe all the procedures involved in the construction of complete prostheses</li> <li>- identify the anatomy of denture bearing areas and arch forms</li> <li>- identify and classify jaw relationships</li> <li>- demonstrate the technical skills to perform all the procedures involved in the construction of removable prostheses</li> <li>- classify and compare articulators</li> <li>- recognize and correct common faults /errors during the laboratory construction and wear of removable prostheses</li> <li>- discuss the materials used in complete removable denture construction (incl. waxes, gypsum , acrylic teeth)</li> </ul>														
Main content:	<ul style="list-style-type: none"> <li>- Pouring and construction of models</li> <li>- Construction of special trays</li> <li>- Boxing-in techniques of final impressions</li> <li>- Construction of trial bases and record blocks</li> <li>- Articulation of models</li> <li>- Setting of artificial teeth</li> <li>- Final waxing of trial dentures, flasking, investing, deflasking, remounting, finishing and polishing.</li> <li>- Repairs of dentures</li> </ul>														
Pre-requisite Modules:	None														
Co-requisite Modules:	None														
Prohibited Module															
Combinations:	None														
Breakdown of Learning Time:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td>Contact with lecturer / tutor</td> <td style="text-align: right;">25 hours</td> </tr> <tr> <td>Assignments &amp; tasks</td> <td style="text-align: right;">10 hours</td> </tr> <tr> <td>Tests and examinations</td> <td style="text-align: right;">5 hours</td> </tr> <tr> <td>Self-study</td> <td style="text-align: right;">10 hours</td> </tr> <tr> <td>Practicals</td> <td style="text-align: right;">50 hours</td> </tr> <tr> <td>Other (specify)</td> <td></td> </tr> <tr> <td><u>Total learning time</u></td> <td style="text-align: right;"><u>100 hours</u></td> </tr> </table>	Contact with lecturer / tutor	25 hours	Assignments & tasks	10 hours	Tests and examinations	5 hours	Self-study	10 hours	Practicals	50 hours	Other (specify)		<u>Total learning time</u>	<u>100 hours</u>
Contact with lecturer / tutor	25 hours														
Assignments & tasks	10 hours														
Tests and examinations	5 hours														
Self-study	10 hours														
Practicals	50 hours														
Other (specify)															
<u>Total learning time</u>	<u>100 hours</u>														
Methods of student assessment:	Achievement of laboratory quota (subminimum = 50%) <table style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Test and assignments</td> <td style="text-align: right;">60%</td> </tr> <tr> <td>Examination</td> <td style="text-align: right;">40%</td> </tr> </table>	Test and assignments	60%	Examination	40%										
Test and assignments	60%														
Examination	40%														

<b>RAP220:</b>	<b>Radiation Physics</b>
Home Department:	Department of Physics
Module Topic:	Radiation Physics
Generic Module Code:	Radiation Physics
Alpha-Numeric Code:	RAP220

Credit Value:	5	
Duration:	S	
Proposed Semester/ Term:	Semester 2	
Programmes in which the module will be offered:	BChD	
Level:	6	
Main outcomes:	On completion of the module, the student will be able to:	
	<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>	
Main content:	<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>	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer	20 hours
	Tutorials	5 hours
	Assignments and tasks	5 hours
	Tests	3 hours
	Self study	17 hours
	Other (Specify)	

	<u>Total Learning Time</u>	<u>50 hours</u>
Methods of student assessment:	Tests	90%
	Tutorial and assignments	10%

**RAT220:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the  
 module will be offered:  
 Level:  
 Main outcomes:

**Radiographic Techniques I**

Diagnostics and Radiology  
 Radiographic Techniques  
 Radiographic Techniques I  
 RAT220  
 Y  
 Semester 2

BChD  
 6

On completion of the module, the student will be able to:  
 - carry out the various intra-oral radiological examinations  
 of the teeth and jaws  
 - Origin of Dental Radiography  
 - The Radiographic Film  
 - Intra-oral Radiographic Techniques  
 - Infection Control in Dental Radiography

Main content:

Pre-requisite Modules:  
 Co-requisite Modules:  
 Prohibited Module  
 Combinations:

None  
 None

Breakdown of Learning Time:

Contact with lecturer/tutor	10 hours
Assignments and tasks	5 hours
Tests & examinations	5 hours
Self study	5 hours
Practicals	25 hours
<u>Total Learning Time</u>	<u>50 hours</u>

Methods of student assessment:

Tests	50%
Examinations	50%

A student who obtains a coursework mark of 60% or more may be exempted from the final examination. Noting that this is a continuation course in the second year leading to Radiographic Techniques II in the third year and Diagnostics and Radiology in the fourth year.

## BChD III

### ORT320:

Home Department:  
Module Topic  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the  
module will be offered:  
Level:  
Main outcomes:

### Basic Orthodontics

Orthodontics  
Basic Orthodontics  
Basic Orthodontics  
ORT320  
10  
S  
Semester 2

BChD  
7

On completion of this module, the student will be able to:

- design and construct removable orthodontic appliances
- fabricate study models
- use specific types of removable appliances
- recognize faults in appliance design and fabrication
- describe the principles of growth and development of the skull and face
- explain the relevance of growth and development to clinical orthodontics
- Fabrication of the following components of removable appliances; Active components, retentive components, baseplate, addition of bite planes, soldering and welding
- Development of the dentition and occlusion
- Fabrication of prescribed removable appliances
- Physiological basis of growth
- Variables affecting growth
- Timing of growth
- Theories of growth
- Growth and development of the calvaria
- Growth and development of the cranial base
- Growth and development of the nasomaxillary complex
- Growth and development of the mandible
- Growth rotations of the face

Main content:

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor	10 hours
Assignments & tasks	
Tests & examination:	2 hours
Self-study	8 hours
Practicals	80 hours
Other (specify)	
<u>Total learning time</u>	<u>100 hours</u>

Methods of student assessment: Test / Assignment: 50%  
 Examination 50%

**MBS313:**

Home Department:

Module Topic:

Generic Module Name:

Alpha-Numeric Code:

Credit Value:

Duration:

Proposed Semester/ Term:

Programmes in which the module will be offered:

Level:

Main outcomes:

Main content:

Pre-requisite Modules:

Co-requisite Modules:

Prohibited Module

Combinations:

Breakdown of Learning Time:

**Common Systems-Based Infections**

Medical Biosciences

Common Systems-Based Infections

Common Systems-Based Infections

MBS313

10

T

Term 1

BChD

7

The learner will understand:

- the causative agent
- reservoir
- mode of transmission
- pathogenesis
- treatment and control measures for the major infectious diseases of the body systems

Bacterial, viral, fungal and protozoal infection of:

- the body's surfaces and skeletal system (skin, eye, bone and joint infections)
- Respiratory tract (common cold, influenza, bronchitis, pneumonia, tuberculosis, SARS)
- the digestive system (oral cavity and salivary glands, peptic ulcer disease, diarrhoea, dysentery, food intoxication)
- the genito-urinary tract (cystitis, pyelonephritis, sexually transmitted diseases)
- the cardiovascular (pericarditis, endocarditis) and lymphatic systems
- the central nervous system (meningitis, encephalitis)
- common childhood infections (whooping cough, measles, mumps, Chickenpox, croup, diphtheria, rubella)
- fever of unknown origin

None

None

None

Contact with lecturer/tutor 50 hours

Assignment & tasks 10 hours

Tests & examinations included in lecture time

Self-study 25 hours

Practicals included in contact time

	Other (specify)	15 hours
	(library, internet, administration)	
	<u>Total learning time</u>	<u>100 hours</u>
Methods of student assessment:	CEM 50% (OSCE, tests, project)	
	Exam 50% (2x 1½ hour papers for 50 marks each)	

<b>CON300:</b>	<b>Conservative Dentistry I</b>														
Home Department:	Conservative Dentistry														
Module Topic:	Conservative Dentistry														
Generic Module Name:	Conservative Dentistry I														
Alpha-Numeric Code:	CON300														
Credit Value:	15														
Duration:	Y														
Proposed Semester/Term	Semester 1 & 2														
Programmes in which the module will be offered:	BChD														
Level:	7														
Main outcomes:	On completion of this module, the student will 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>														
Main content:	<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>														
Pre-requisite Modules:	None														
Co-requisite Modules:	None														
Prohibited Module															
Combinations:	None														
Breakdown of Learning Time:	<table> <tr> <td>Contact with lecturer / tutor</td> <td>26 hours</td> </tr> <tr> <td>Assignments &amp; tasks</td> <td>18 hours</td> </tr> <tr> <td>Clinical contact time</td> <td>74 hours</td> </tr> <tr> <td>Self-study</td> <td>26 hours</td> </tr> <tr> <td>Tests and examinations</td> <td>6 hours</td> </tr> <tr> <td>Other (specify)</td> <td></td> </tr> <tr> <td><u>Total learning time</u></td> <td><u>150 hours</u></td> </tr> </table>	Contact with lecturer / tutor	26 hours	Assignments & tasks	18 hours	Clinical contact time	74 hours	Self-study	26 hours	Tests and examinations	6 hours	Other (specify)		<u>Total learning time</u>	<u>150 hours</u>
Contact with lecturer / tutor	26 hours														
Assignments & tasks	18 hours														
Clinical contact time	74 hours														
Self-study	26 hours														
Tests and examinations	6 hours														
Other (specify)															
<u>Total learning time</u>	<u>150 hours</u>														
Methods of student assessment:	<table> <tr> <td>Tests and Assignments</td> <td>50%</td> </tr> <tr> <td>Quotas (qualitative and quantitative)</td> <td>15%</td> </tr> <tr> <td>Clinical Examination</td> <td>5%</td> </tr> <tr> <td>Theory and OSCE examination</td> <td>30%</td> </tr> </table>	Tests and Assignments	50%	Quotas (qualitative and quantitative)	15%	Clinical Examination	5%	Theory and OSCE examination	30%						
Tests and Assignments	50%														
Quotas (qualitative and quantitative)	15%														
Clinical Examination	5%														
Theory and OSCE examination	30%														

<b>MAT300:</b>	<b>Dental Materials</b>
Home Department:	Restorative Cluster
Module Topic:	Dental Materials

Generic Module Name:	Dental Materials
Alpha-Numeric Code:	MAT300
Credit Value:	10
Duration:	Y
Proposed Semester/ Term:	Semester 1 & 2
Programmes in which the module will be offered:	BChD
Level:	7
Main outcomes:	<p>On completion of this module, the student will 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>- understand 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>
Main content:	<p>This module is designed to assist the student to obtain the knowledge underlying the clinical relevance, choice and handling of the basic dental restorative materials. Pre-clinical and clinical experience regarding the choice and handling of dental materials will be integrated and evaluated during the concurrently running modules of Conservative Dentistry I and Prosthetics I.</p> <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 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>- classification, composition, setting reaction, properties, uses and handling of the following <u>direct</u> restorative materials <ul style="list-style-type: none"> <li>(i) dental bonding agents</li> <li>(ii) composite resin restorative materials</li> <li>(iii) cavity liners and base materials</li> <li>(iv) temporary restorative materials</li> <li>(v) amalgams</li> <li>(vi) compomers</li> <li>(vii) glass-ionomers</li> <li>(viii) 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 <ul style="list-style-type: none"> <li>(i) gypsum products</li> <li>(ii) waxes</li> </ul> </li> </ul>

- (iii) impression materials (hydrocolloids, modeling compound, ZOE impression pastes, impression plaster)
- (iv) acrylic resins
- (v) tissue conditioners
- (vi) relined materials

Pre-requisite Modules:	None
Co-requisite Modules:	None
Prohibited Module	
Combinations:	None
Breakdown of Learning Time:	
	Contact with lecturer / tutor      32 hours
	Assignments and tasks                8 hours
	Practicals                                 40 hours
	Examination                              4 hours
	Self-study                                16 hours
	<u>Total learning time</u> 100 hours
Methods of student assessment:	
	Test                                         30%
	Assignments                              30%
	Examination                              40%

**PCL305:**

Home Department:	Pharmacy / Pharmacology
Module Topic:	Dental Pharmacology
Generic Module Name:	Dental Pharmacology
Alpha-Numeric Code:	PCL305
Credit Value:	20
Duration:	Y
Proposed Semester/ Term:	Semester 1 & 2
Programmes in which the module will be offered:	BChD
Level:	7

Main outcomes: On completion of the module, the student will be able to:

- Discuss the basic principles of drug action
- Discuss drugs used in Dentistry
- Discuss general drugs
- Explain the P-drug concept
- Apply the pharmacotherapy of selected disease states in a clinical setting

Main content:

- Basic pharmacodynamics
- Qualitative pharmacokinetics
- Aspects of pharmacotherapeutics
- Chemical transmission and the autonomic nervous system
- Autocoids
- NSAIDs
- Antimicrobial chemotherapy
- Cancer chemotherapy

- Drugs and the immune system
- Drugs acting on the cardiovascular system
- Hormones
- Drugs acting on the Endocrine system
- Drugs acting on the Central Nervous System
- Drugs used in Gout
- Analgesics
- Respiratory drugs
- Drugs and the GIT
- Antimicrobial chemotherapy
- Anthelmintic drugs
- Drugs affecting the fluid and salt balance
- Vitamins
- The P-drug concept and basic principles of pharmacotherapy
- Review of the pharmacotherapy of selected disease states
- Practicals: Clinical skills and case studies

Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer/tutor	120 hours
	Practicals	15 hours
	Assignments/tasks	20 hours
	Self-study	40 hours
	Tests and examinations	5 hours
	Total learning time	200 hours
Methods of student assessment:	Semester mark	50%
	- 4 class tests	60%
	- Practicals (OSCEs)	20%
	- Weekly assessment	20%
	Examination	50%

**IRT310:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the module will be offered:  
 Level:  
 Main outcomes:

**Invasive Restorative Techniques**

Conservative Dentistry  
 Invasive Restorative Techniques  
 Invasive Restorative Techniques  
 IRT310  
 10  
 S  
 Semester 1  
 BChD

7  
 On completion of this module, the student will be able to  
 - use rotary instruments for cavity preparation

Main content:	<ul style="list-style-type: none"> <li>- prepare cavities for the different direct restorative materials</li> <li>- use appropriate bases and liners and restore cavities with direct restorative materials</li> <li>- principles of cavity preparation</li> <li>- dental materials <ul style="list-style-type: none"> <li>(i) liners and bases</li> <li>(ii) amalgam</li> <li>(iii) composites</li> </ul> </li> <li>- criteria for the selection of restorative materials</li> </ul>														
Pre-requisite Modules:	None														
Co-requisite Modules:	None														
Prohibited Module															
Combinations:	None														
Breakdown of Learning Time:	<table> <tr> <td>Contact with lecturer / tutor</td> <td>16 hours</td> </tr> <tr> <td>Assignments &amp; tasks</td> <td>15 hours</td> </tr> <tr> <td>Tests &amp; examinations</td> <td>4 hours</td> </tr> <tr> <td>Self-study</td> <td>20 hours</td> </tr> <tr> <td>Practicals</td> <td>45 hours</td> </tr> <tr> <td>Other (specify)</td> <td></td> </tr> <tr> <td><u>Total learning time</u></td> <td><u>100 hours</u></td> </tr> </table>	Contact with lecturer / tutor	16 hours	Assignments & tasks	15 hours	Tests & examinations	4 hours	Self-study	20 hours	Practicals	45 hours	Other (specify)		<u>Total learning time</u>	<u>100 hours</u>
Contact with lecturer / tutor	16 hours														
Assignments & tasks	15 hours														
Tests & examinations	4 hours														
Self-study	20 hours														
Practicals	45 hours														
Other (specify)															
<u>Total learning time</u>	<u>100 hours</u>														
Methods of student assessment:	<table> <tr> <td>Tests and Assignments</td> <td>30%</td> </tr> <tr> <td>Quotas (qualitative and quantitative)</td> <td>25%</td> </tr> <tr> <td>Practical Examination</td> <td>15%</td> </tr> <tr> <td>Theory and OSCE Examination</td> <td>30%</td> </tr> </table>	Tests and Assignments	30%	Quotas (qualitative and quantitative)	25%	Practical Examination	15%	Theory and OSCE Examination	30%						
Tests and Assignments	30%														
Quotas (qualitative and quantitative)	25%														
Practical Examination	15%														
Theory and OSCE Examination	30%														

### **MFS300:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

### **Maxillo-facial and Oral Surgery I**

Maxillo-facial and Oral Surgery  
Maxillo-facial and Oral Surgery  
Maxillo-facial and Oral Surgery  
MFS300  
10  
Y  
Semester 1 & 2

BChD

7

On completion of this module, the student will be able to:

- take a detailed history of a patient
- conduct a thorough intra and extra-oral examination
- order appropriate special investigations
- generate a differential diagnosis
- discuss how local anaesthetics work and describe their effects
- administer a local anaesthetic solution
- recognize a complication of administering a solution
- recognise and manage adverse reactions to local anaesthetics

	<ul style="list-style-type: none"> <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> <li>- History taking</li> <li>- Basic examination of patient – extra oral and intra oral</li> <li>- Special investigations - radiographs <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 <ul style="list-style-type: none"> <li>(i) block</li> </ul> </li> <li>- Adverse reactions to local anaesthetics</li> <li>- Complications to local anaesthetics</li> <li>- C.P.R.</li> <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>								
Main content:									
Pre-requisite Modules:	None								
Co-requisite Modules:	None								
Prohibited Module									
Combinations:	None								
Breakdown of Learning Time:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td>Contact lectures / Tutor</td> <td style="text-align: right;">20 hours</td> </tr> <tr> <td>Tests / Exams</td> <td style="text-align: right;">5 hours</td> </tr> <tr> <td>Practical / Demonstrations</td> <td style="text-align: right;">75 hours</td> </tr> <tr> <td><u>Total Learning time</u></td> <td style="text-align: right;"><u>100 hours</u></td> </tr> </table>	Contact lectures / Tutor	20 hours	Tests / Exams	5 hours	Practical / Demonstrations	75 hours	<u>Total Learning time</u>	<u>100 hours</u>
Contact lectures / Tutor	20 hours								
Tests / Exams	5 hours								
Practical / Demonstrations	75 hours								
<u>Total Learning time</u>	<u>100 hours</u>								
Methods of student assessment:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td>Clinical Assessment/Test</td> <td style="text-align: right;">50%</td> </tr> <tr> <td>Examination</td> <td style="text-align: right;">50%</td> </tr> </table>	Clinical Assessment/Test	50%	Examination	50%				
Clinical Assessment/Test	50%								
Examination	50%								

**MHD320:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:

**Measuring Health and Disease**

Department of Community Oral Health  
Epidemiology  
Measuring Health and Disease  
MHD320  
10  
B  
Semester 2  
BChD; OH; BOH

Level:	7												
Main outcomes:	<p>On completion of the module, the student will 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 and</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>												
Main content:	<ul style="list-style-type: none"> <li>- Descriptive epidemiology <ul style="list-style-type: none"> <li>i) What is epidemiology?</li> <li>ii) Demography, Rates, Indicators and Outbreaks.</li> <li>iii) Study designs, Screening and surveillance.</li> <li>iv) Natural history of disease. Causation</li> </ul> </li> <li>- Basic Statistics for Health Research <ul style="list-style-type: none"> <li>i) Types of data and measures of central tendency</li> <li>ii) Using measures of dispersion.</li> <li>iii) Test for association between two variables.</li> </ul> </li> <li>- Health Research Methods <ul style="list-style-type: none"> <li>i) Planning a study.</li> <li>ii) Sampling and data collection.</li> <li>iii) Critical journal reading.</li> <li>iv) Report-writing and communication.</li> </ul> </li> <li>- Computer Skills for Research <ul style="list-style-type: none"> <li>i) Computer basics and word processing</li> <li>ii) Access Internet information</li> <li>iii) Spreadsheets and graphics</li> <li>iv) EpiInfo 2000</li> </ul> </li> </ul>												
Pre-requisite Modules:	None												
Co-requisite Modules:	None												
Prohibited Module													
Combinations:	None												
Breakdown of Learning Time:	<table border="0"> <tr> <td>Contact with lecturer / tutor</td> <td>40 hours</td> </tr> <tr> <td>Assignments &amp; tasks</td> <td>15 hours</td> </tr> <tr> <td>Tests &amp; examinations</td> <td>2 hours</td> </tr> <tr> <td>Self-study</td> <td>18 hours</td> </tr> <tr> <td>Practicals</td> <td>20 hours</td> </tr> <tr> <td>Other: Organising research</td> <td></td> </tr> </table>	Contact with lecturer / tutor	40 hours	Assignments & tasks	15 hours	Tests & examinations	2 hours	Self-study	18 hours	Practicals	20 hours	Other: Organising research	
Contact with lecturer / tutor	40 hours												
Assignments & tasks	15 hours												
Tests & examinations	2 hours												
Self-study	18 hours												
Practicals	20 hours												
Other: Organising research													

	logistics	5 hours
	<u>Total learning time</u>	<u>100 hours</u>
Methods of student assessment:	Test 1	25%
	Test 2	25 %
	Assignment	50%
	Assignment mark determined by:	
	- Group poster	
	- Peer groups and staff marking of poster.	
	- Peer evaluation of individual group member's contribution used as a modifier in some cases.	

**OMP300:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

**Oral Medicine and Periodontology I**

Department of Oral Medicine and Periodontology  
Oral Medicine and Periodontology  
Oral Medicine and Periodontology I  
OMP300  
20  
Y  
Semester 1 & 2

BChD  
7

On completion of this module, the student will be able to:

- describe the periodontal tissues, the oral environment and dental plaque
- discuss the basic pathogenesis of periodontal disease
- make a comprehensive medical and dental history of a patient
- explain the fundamentals of prevention of periodontal disease
- motivate a patient and demonstrate oral hygiene techniques
- recognize and diagnose periodontal disease radiographically
- demonstrate competence in the technique of scaling and prophylaxis
- Anatomy and biology of the periodontium
- Gingival crevicular fluid
- Classification, pathogenesis, microbiology, immunology, epidemiology, radiographic examination of periodontal disease
- Tooth accumulated materials
- Mechanical removal and chemical removal of plaque and calculus
- Diagnosis and treatment planning

Main content:

Pre-requisite Modules:  
Co-requisite Modules:  
Prohibited Module

None  
None

Combinations:	None														
Breakdown of Learning Time:	<table> <tr> <td>Contact with lecturer / tutor</td> <td>30 hours</td> </tr> <tr> <td>Assignments &amp; tasks</td> <td>20 hours</td> </tr> <tr> <td>Tests &amp; examinations</td> <td>12 hours</td> </tr> <tr> <td>Self-study</td> <td>78 hours</td> </tr> <tr> <td>Practicals/clinical</td> <td>60 hours</td> </tr> <tr> <td>Other (specify)</td> <td></td> </tr> <tr> <td><u>Total learning time</u></td> <td><u>200 hours</u></td> </tr> </table>	Contact with lecturer / tutor	30 hours	Assignments & tasks	20 hours	Tests & examinations	12 hours	Self-study	78 hours	Practicals/clinical	60 hours	Other (specify)		<u>Total learning time</u>	<u>200 hours</u>
Contact with lecturer / tutor	30 hours														
Assignments & tasks	20 hours														
Tests & examinations	12 hours														
Self-study	78 hours														
Practicals/clinical	60 hours														
Other (specify)															
<u>Total learning time</u>	<u>200 hours</u>														
Methods of student assessment:	<table> <tr> <td>Coursework</td> <td>50%</td> </tr> </table> <ul style="list-style-type: none"> <li>- 2 class tests on various topics in the discipline of periodontology</li> <li>- 2 assignments</li> <li>- 4 peer reviewed group seminar presentations</li> <li>- weekly clinical assessment of patient management</li> </ul> <p>Final examination which will contribute no more than 50% of the final mark. This examination will also include a clinical assessment of 50%.</p>	Coursework	50%												
Coursework	50%														

**MBS323:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

**Oral Manifestations of Infectious Diseases**

Medical Biosciences  
Oral Manifestations of Infectious Diseases  
Oral Manifestations of Infectious Diseases  
MBS323  
10  
T  
Term 3

BChD  
7

Learners should:

- understand the oral environment and the role played by the normal oral flora and the dental plaque in health and disease
  - Be familiar with the oral manifestations of HIV and other infectious diseases
  - Interpret microbiological tests used in clinical diagnosis of oral infections
- Main content:
- Oral ecosystem and dental plaque
  - Microbiology of dental caries
  - Microbiology of periodontal disease (prepubertal, juvenile, adult, pregnancy and HIV –associated)
  - Dentoalveolar infections (dentoalveolar abscess, Ludwig’s angina, periodontal abscess, suppurative osteomyelitis of the jaws, cervicofacial actinomycosis)
  - Oral mucosal infections (candidiasis, herpetic stomatitis, varicella-zoster infection, coxsackie A virus infection, measles)

- Oral manifestations of important bacterial infections (syphilis, tuberculosis, leprosy, gonorrhoea)
- Salivary gland infections (viral and bacterial parotitis, sialadenitis)

Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer/tutor	50 hours
	Assignment & tasks	10 hours
	Tests & examinations included in lecture time	
	Self-study	25 hours
	Practicals included in contact time	
	Other (specify)	15 hours
	(library, internet, administration)	
	<u>Total learning time</u>	<u>100 hours</u>
Methods of student assessment:	CEM	50% (tests, assignments, OSCE)
	Exam	50% (2 x 1½ hour papers for 50 marks each)

### **PMG310:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the module will be offered:  
 Level:  
 Main outcomes:

### **Principles of Medicine and General Surgery for Dentists**

Maxillofacial and Oral Surgery  
 Principles of Medicine and General Surgery for Dentists  
 Principles of Medicine and General Surgery for Dentists  
 PMG310  
 15  
 Y  
 Semester 1 & 2

BChD  
 7

- On completion of the module, the student will be able to:
- collect, record, and communicate clinical information in a systematic manner
  - perform a physical examination on a clothed patient
  - identify relevant laboratory investigations and perform HB and HGT tests
  - explain the rationale underlying collection of medical and surgical information
  - use information from patient history and examination to identify medical and surgical abnormalities
  - recognize a cardio-respiratory arrest and perform basic CPR
  - relates clinical features of common medical and surgical conditions with underlying systemic pathology
- Main content:
- general principles of history-taking
  - general principles of physical examination
  - the basic clinical signs and symptoms of the normal cardio vascular system and the disorders

- Abnormal pulse (basic principles)
- Hypertension
- Heart failure
- Cardiac arrest
- Heart valve lesions (basic principles)
- Rheumatic disease, infective endocarditis
- the basic clinical signs and symptoms of the normal respiratory system and the disorders
  - Respiratory failure
  - Pneumothorax
  - Obstructive lung disease
  - DVT and Pulmonary embolism
- the basic clinical signs and symptoms of the normal alimentary system and the disorders
  - Liver failure
  - Hepatitis
- the basic clinical signs and symptoms of the normal genito-renal system and the disorders
  - Renal failure
- the basic clinical signs and symptoms of the normal nervous system and the disorders
  - Head injuries
  - Strokes
  - Epilepsy (Grand Mal)
- the basic clinical signs and symptoms of the normal musculoskeletal system and the disorders
  - Spinal cord injuries
- the basic clinical signs and symptoms of the normal haematological system and the disorders
  - Anaemias
  - Platelet disorders
  - Leukemias
  - Bleeding disorders
- integration of history and examination for the medical and surgical patient including
  - The skin
  - Eyes and ears
  - Neck (Lymph nodes & Thyroid)
- side room investigations
  - Haemoglobin
  - Haematocrit
  - Blood glucose (for DM)
  - Urine tests (“Dipstix”)
- diagnostic investigations
  - Full blood count
  - INR, PTT and bleeding time test
  - Serum electrolytes
  - Renal function
  - Liver function

	➤	CRP and sedimentation rate	
	➤	HIV, hepatitis, syphilis tests	
	➤	Chest radiography	
	➤	MCS of urine/blood	
Pre-requisite Modules:	None		
Co-requisite Modules:	None		
Prohibited Module			
Combinations:	None		
Breakdown of Learning Time:	Contact with lecturer/tutor	30 hours	
	Practicals/bed-side teaching	20 hours	
	Self-study /Assignment tasks	30 hours	
	Tests & examinations	20 hours	
	<u>Total learning time</u>	<u>100 hours</u>	
Methods of student assessment:	2 Assignments (Journal record case write up)	50%	
	OSCE/practical evaluation	25%	
	Written examination (end of module)	25%	
	Total	100%	

### **PRO300:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

### **Prosthetic Dentistry I**

Prosthetic Dentistry  
Introduction to Removable Complete Dentures  
Prosthetic Dentistry I  
PRO300  
15  
Y  
Semester 1 & 2

BChD  
7

- On completion of this module, the student will be able to:
- recognize the value of any existing dentures
  - recognize the influence of complete dentures on the remaining soft tissue and the underlying bone
  - describe the biological basis and biomechanical aspects of denture stability
  - describe and demonstrate the clinical steps and techniques involved in the construction of removable complete dentures
  - recognise limiting anatomical features to the construction of complete dentures
  - recognise and demonstrate basic post-insertion problems
- Main content:
- Biological basis of denture support and retention
  - Oral anatomical landmarks and features
  - History, examination and treatment planning
  - Factors affecting outcome of treatment (prognosis)
  - Consequences of tooth loss

- Clinical techniques, procedures and materials
- Denture hygiene and maintenance instruction
- Residual ridge resorption
- Denture related lesions
- Common faults in denture construction
- Arch forms and neutral zone
- Occlusion
- Repairs

Pre-requisite Modules:	None
Co-requisite Modules:	None
Prohibited Module	
Combinations:	None
Breakdown of Learning Time:	
	Contact with lecturer / tutor                      35 hours
	Assignments & tasks    8 hours
	Tests & examinations    8 hours
	Self-study    14 hours
	Practicals / Clinicals    77 hours
	Other (Audiovisual Aids)    8 hours
	<u>Total learning time</u> <u>150 hours</u>

Methods of student assessment:	Achievement of Minimum Clinical Quota (subminimum = 50%)
	Clinical Assessment /Tests /
	Assignments    60 %
	Examination    40%

**RAT300:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the module will be offered:  
 Level:  
 Main outcomes:

**Radiographic Techniques II**

Diagnosics and Radiology  
 Radiographic Techniques  
 Radiographic Techniques II  
 RAT300  
 5  
 Y  
 Semester 1 & 2

Main content:

- On completion of this module, the student will be able to:
- Carry out the various radiological examinations of the teeth and jaws including film processing procedures
  - Film Handling and Processing
  - Radiographic Anatomy of the skull and jaws
  - Film handling and intra-oral processing errors
  - Extra-oral Radiographic Techniques
  - Diagnostic Quality of Radiographs

Pre-requisite Modules: None  
 Co-requisite Modules: None  
 Prohibited Module  
 Combinations: None

Breakdown of Learning Time:	Contact with lecturer / tutor	10 hours
	Assignments & tasks	5 hours
	Tests and examinations	5 hours
	Self-study	5 hours
	Practicals	25 hours
	Total learning time	50 hours
Methods of student assessment:	Test	50%
	Examinations	50%
	A student who obtains a coursework mark of 60% or more may be exempted from the final examination.	

**PAT310:**

Home Department:

Module Topic:

Generic Module Name:

Alpha-Numeric Code:

Credit Value:

Duration:

Proposed Semester/ Term:

Programmes in which the

module will be offered:

Level:

Main outcomes:

**Systemic Pathology**

Oral Pathology

Systemic Pathology

Systemic Pathology

PAT310

10

S

Semester 1

BChD

7

On completion of this module, the student will be able to:

- categorise and explain the nature of various disease states commonly encountered in the human body at an organosystemic level
- competently identify and describe the morphology, aetiology and underlying general principles operating in disease within the major organ systems of the body
- explain the relationship between pathological processes at cellular level and their manifestation at an organosystemic level
- relate the microscopic cellular changes occurring in organs in which pathological processes are occurring to the macroscopic appearance of morbid anatomical specimens
- relate basic disease states at a cellular level and grasp anatomical level to the overt clinical signs and symptoms seen in those disorders

Main content:

Disorders of the nervous system

Cardiovascular abnormalities

Disorders of bone and joints

Disorders of skin

Respiratory disorders

Disorders of the kidneys

Hematopoietic and lymphoid diseases

Endocrine abnormalities

	Gastrointestinal disorders	
	Hepatobiliary disorders	
	Blood and bone marrow pathology	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturers / tutor:	40 hours
	Tutorials:	40 hours
	Tests & examinations:	5 hours
	Self-study:	15 hours
	<u>Total learning time:</u>	<u>100 hours</u>
Methods of student assessment:	Assessment will be as follows:	
	Attendance of at least 80% of lectures and tutorials is required to write the final examination	
	Continuous Assessment	50%
	(Tests and Assignments)	
	Final Examination	50%
	(Written Paper, OSCE and Oral Examination)	

### **SSD320:**

Home Department:  
Module Topic  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:

### **Social Science and Dentistry**

Community Oral Health  
Social Science and Dentistry  
Social Science and Dentistry  
SSD320  
10  
S  
Semester 2

Main outcomes:

BChD  
7  
On completion of the module, the student will be able to:

- identify special care groups in the community
- identify factors which put these groups at risk for poor general and oral health
- recognise the problems and concerns experienced by these groups
- adapt clinical practice in ways that are appropriate to the problems specific to these groups
- manage the special needs of these groups
- explain the legal rights of special care groups and report human rights abuses
- recognise determinants of health and ill-health

Main content:

This module covers topics broadly related to special needs groups and explores the issues which affect them:

- Women's health and gender issues
- Children's rights, child abuse and child behaviour in the dental setting

	- Geriatric health, access to health care facilities	
	- Medically compromised patients	
	- Physically and mentally challenged patients	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	40 hours
	2 Assignments	30 hours
	Tests	15 hours
	Self-study	15 hours
	<u>Total learning time</u>	<u>100 hours</u>
Methods of student assessment:	2 Assignments	40%
	Seminar presentation	20%
	Test	40%

## **BChD IV**

### **ART420:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Level:  
Main outcomes:

### **Advanced Restorative Dentistry Techniques**

Conservative Dentistry  
Advanced Restorative Dentistry Techniques  
Advanced Restorative Dentistry Techniques  
ART420

10

S

Semester 2

8.1

On completion of this module, the student will be able to

- diagnose and manage occlusal disharmony
- prepare teeth to receive cast (indirect) restorations
- prepare teeth to receive extra coronal restorations
- prepare teeth to receive fixed partial denture
- fabricate provisional restorations
- articulators and occlusion
- acid-etched retained prosthesis
- veneers
- inlays/ onlays
- crowns (ceramometal, all ceramic)
- post and cores for endodontically treated teeth
- fixed partial dentures
- acid-etched retained prosthesis
- provisional restorations

Main content:

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor 30 hours

Assignments 10 hours

Tests & examinations 5 hours

Practicals 55 hours

Other (specify)

Total learning time 100 hours

Methods of student assessment:

Tests and Assignments 10%

Quotas (preclinical) 40%

Examination 50%

### **ANS400:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:

### **Anaesthesiology and Sedation**

Diagnostics and Radiology  
Anaesthesiology and Sedation  
Anaesthesiology and Sedation

ANS400

10

Y

Proposed Semester/ Term:	Semester 1 & 2	
Programmes in which the module will be offered:	BChD	
Level:	8.1	
Main outcomes:	<p>On completion of this module, the student will 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>	
Main content:	<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>	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	50 hours
	Assignments & tasks	10 hours
	Tests & examinations	10 hours
	Self-study	15 hours
	Practicals	15 hours
	Other (specify)	
	<u>Total learning time</u>	<u>100 hours</u>
Methods of student assessment:	<p><u>Clinical requirements:</u>  The student must:</p> <ul style="list-style-type: none"> <li>- attend demonstrations of conscious sedation, endotracheal intubation, operating theatre techniques and cardio-pulmonary resuscitation</li> <li>- personally administer conscious sedation to at least three patients</li> <li>- observe the administration of at least three general anaesthetics, including induction and recovery</li> </ul>	

- attend lectures at the clinical skills laboratory where they will learn how to do intravenous cannulation, take blood pressures and examine a patient

Each of the above cases must be recorded and signed by the Anaesthetic Supervisor/ Doctor.

A clinical mark will be given based on practical work done.

Additional requirements:

- two semester tests – one near the end of each semester
- each student must submit at least one completed assignment
- 1X3 hour written examination at the end of the course
- oral and/or clinical examinations where required

Year mark will be made up of:

Clinical involvement	10%
Assignment	10%
Semester tests	20%
Written examination	60%

**CON400:**

Home Department:

Module Topic:

Generic Module Name:

Alpha-Numeric Code:

Credit Value:

Duration:

Proposed Semester/ Term:

Programmes in which the module will be offered:

Level:

Main outcomes:

Main content:

Pre-requisite Modules:

Co-requisite Modules:

Prohibited Module

**Conservative Dentistry II**

Conservative Dentistry

Aesthetic Dentistry

Conservative Dentistry II

CON400

15

Y

Semester 1 & 2

BChD

8.1

On completion of this module, the student will be able to

- manage aesthetically demanding patients
- plan and manage indirect posterior restorations
- manage and restore the endodontically treated tooth
- explain the principles of occlusion
- plan and manage indirect restorations
- advanced restorative dental materials relevant to the clinical situation
- principles of vital bleaching
- principles of direct posterior restorations
- principles of indirect aesthetic posterior restorations
- elements of aesthetics
- maintenance of the integrity of the arch with direct restorations
- principles of occlusion

None

None

Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	24 hours
	Assignments & tasks	15 hours
	Tests & examinations	6 hours
	Self-study	30 hours
	Clinical contact time	75 hours
	<u>Total learning time</u>	<u>150 hours</u>
Methods of student assessment:	Tests and assignments	20%
	Quotas (qualitative and quantitative)	40%
	Examination	40%
	A final pass mark of 50% is required	

**RES400:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

**Dental Research**

Community Oral Health  
Dental Research  
Dental Research  
RES400  
5  
Y  
Semester 1 & 2

BChD  
8.1

- On completion of the module, the student will be able to
- define a research problem, and describe the related aims and objectives
  - write a literature review on the selected research topic
  - prepare a viable research protocol
  - implement the research project
  - prepare a written research report
  - present the research findings to Faculty
  - prepare the research as an article for publication

Main content:

Research topics will come from all disciplinary areas of dentistry and public health. Main module content will include

- defining research problems, aims and objectives
- writing a literature review
- preparing research protocols
- implementing a research project and conducting research
- written research reports
- presenting research findings
- preparing research findings for publication

Pre-requisite Modules:  
Co-requisite Modules:  
Prohibited Module  
Combinations:

None  
None  
None  
None

Breakdown of Learning Time:	Contact with lecturer / tutor	7 hours
	(Each student doing this module will be allocated a supervisor drawn from the combined disciplines and clusters within the Faculty)	
	Searching, reading and writing tasks	30 hours
	Data collection	10 hours
	Presentation	3 hours
	<u>Total learning time</u>	<u>50 hours</u>

Methods of student assessment: Assessment will be both formative and summative. The cumulative summative marks will total 100%.

- Aims and objectives: Formative assessment
- Literature review: Summative assessment
- Research protocol: Summative assessment
- Implement project: Formative assessment
- Written report: Summative assessment
- Presentation: Formative assessment
- Publication: Formative assessment

**RAD400:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main content:

**Diagnostics and Radiology**

Diagnostics and Radiology  
Diagnostics and Radiology  
Diagnostics and Radiology  
RAD 400  
10  
Y  
Semester 1 & 2

BChD  
8.1

Main outcomes:

- On completion of the module, the student will be able to:
- i) recognize the radiological features of the various disease processes affecting the teeth and jaws.
  - ii) General principles of radiological interpretations
    - Radiological interpretations of:
    - Dental anomalies
    - Regressive changes of the dentition
    - Infections and inflammations
    - Cysts of the jaws
    - Conditions of the maxillary sinuses
    - Benign tumours of the jaws
    - Malignant tumours of the jaws
    - Diseases of bone manifested in the jaws
    - Temporomandibular joint
    - Soft tissue calcification
    - Trauma to the teeth and facial structures
    - Syndromes affecting the jaws

Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecture/tutor	30 hours
	Assignments and tasks	10 hours
	Tests and Examination	10 hours
	Self-study	20 hours
	Practicals	30 hours
	Other (specify)	
	<u>Total learning time</u>	<u>100 hours</u>
Methods of student assessment:	Coursework	50%
	(tests, assignments, clinical work, OSCEs)	
	Examination	50%

<b>Module Name:</b>	<b>Endodontics</b>	
Home Department:	Restorative Cluster	
Module Topic:	Endodontics	
Generic Module Name:	Endodontics	
Alpha-Numeric Code:	END400	
Credit Value:	10	
Duration:	Y	
Proposed Semester/ Term:	Semester 1 & 2	
Programmes in which the module will be offered:	BChD	
Level:	8.1	
Main outcomes:	On completion of this module, the student 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>	
Main content:	<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>	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	30 hours
	Assignments & tasks	6 hours
	Tests & examinations	4 hours
	Self-study	10 hours
	Practicals	20 hours

	Clinical contact time	30 hours
	<u>Total learning time</u>	<u>100 hours</u>
Methods of student assessment:	Tests and Assignments	30%
	Quotas (preclinical)	10%
	Quotas (clinical)	10%
	Theory and OSCE examination	50%

**MFS400:**

Home Department:

Module Topic:

Generic Module Name:

Alpha-Numeric Code:

Credit Value:

Duration:

Module Type:

Level:

Main outcomes:

**Maxillo-facial and Oral Surgery II**

Maxillo-facial and Oral Surgery

Maxillo-facial and Oral Surgery

Maxillo-facial and Oral Surgery II

MFS400

20

Y

P

8.1

On completion of the module, the student will be able to:

- Examine the maxillofacial and oral surgical patient
  - Manage patients with maxillofacial and oral/dental trauma
  - Manage patients with medical emergencies in dentistry
  - Manage patients with infective conditions of the maxillofacial and oral region
  - Explain the principles of surgical endodontics and be able to manage these patients appropriately
  - Manage patients with impacted teeth
  - Manage patients with sinus related conditions
  - Manage patients with bleeding tendencies
  - Manage patients with salivary gland pathology and related conditions
  - Manage patients with cysts and tumours of the mouth and jaws
  - Manage patients with temporomandibular joint dysfunctions
  - Manage patients with facial pain
  - Manage patients for pre-prosthetic surgery
  - Explain the principles of implantology and be able to manage these patients appropriately
  - Assess and refer patients for orthognathic surgery
  - Assess and refer patients with cleft- and craniofacial deformities
  - Discuss the principles of divers treatment modalities in maxillofacial surgery
- Main content:
- Maxillofacial and oral/dental trauma
  - Medical emergencies
  - Infective conditions of the maxillofacial and oral region
  - Surgical endodontics (apicectomy)
  - Impacted teeth

	- Sinus related conditions	
	- Bleeding tendencies	
	- Salivary glands and related conditions	
	- Management of cysts and tumours of the mouth and jaws	
	- Temporomandibular joint dysfunctions	
	- Management of facial pain	
	- Pre-prosthetic surgery including implantology	
	- Orthognathic surgery	
	- Management of cleft- and craniofacial deformities	
	- Diverse treatment modalities	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact lectures / Tutor	40 hours
	Tests / Exams	10 hours
	Practical / Demonstrations	150 hours
	<u>Total learning time</u>	<u>200 hours</u>
	Methods of student assessment:	Clinical Assessment/Test
	Examination	50%

**OMP400:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

**Oral Medicine and Periodontology II**

Oral Medicine and Periodontology  
Oral Medicine and Periodontology  
Oral Medicine and Periodontology II  
OMP400  
20  
Y  
Semester 1 & 2

BChD  
8.1

On completion of this module, the student will be able to:

- recognize, diagnose and treat various diseases that affect the oral mucosa.
- recognise oral manifestations of dermatological, internal, blood and nutritional diseases.
- evaluate patient's response to treatment and record the changes that are observed.

Main content:

- Lesions of the oral mucosa
- Dermatological lesions with oral manifestations
- Diagnostic aspects of various diseases and special investigations
- Oral manifestations of immunological disorders
- Vesiculo-bullous lesions
- HIV/AIDS

Pre-requisite Modules: None

Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	60 hours
	Assignments & tasks	10 hours
	Tests & examinations	10 hours
	Self-study	30 hours
	Practical/Clinicals	90 hours
	Other (specify)	
	<u>Total learning time</u>	<u>200 hours</u>
Methods of student assessment:	Coursework	50%
	<ul style="list-style-type: none"> <li>- class tests</li> <li>- 2 assignments</li> <li>- 2 peer reviewed group seminar presentations</li> <li>- weekly clinical assessment of patient management</li> <li>- Final examination which will contribute no more than 50% of the final mark. This examination will also include a clinical assessment which will contribute 50%.</li> </ul>	

<b>OPA400:</b>	<b>Oral Pathology</b>
Home Department:	Oral Pathology
Module Topic:	Oral Pathology
Generic Module Name:	Oral Pathology
Alpha-Numeric Code:	OPA400
Credit Value:	20
Duration:	Y
Proposed Semester/ Term:	Semester 1 & 2
Programmes in which the module will be offered:	BChD
Level:	8.1
Main outcomes:	<p>On completion of this module, the student will be able to:</p> <ul style="list-style-type: none"> <li>- describe the clinical, radiographic and histological features; the pathogenesis and the treatment and prognosis of commonly occurring developmental and acquired disturbances of teeth and their supporting structures.</li> <li>- classify and describe the epidemiologic, etiopathogenic, clinical, and histological features; treatments; and prognosis of the principal bacterial, viral, fungal and parasitic infections of the oral and perioral regions, including non-infective aphthous stomatitides</li> <li>- describe the aetiology, contributing factors; clinical, radiographic and histologic; immunologic, treatment, and prognostic factors of the various types of specific and nonspecific gingivitis and periodontitis</li> <li>- formulate a differential diagnosis for the inflammatory and fibrous types of gingival hyperplasia</li> <li>- describe the role of histopathology in oral diagnosis</li> </ul>

Main content:

- list, define and give the indications for the various types of biopsies and cytological procedures performed in the oral and paraoral regions
- describe the principles of forensic dentistry  
classify and list the histogenesis, and describe the epidemiologic, aetiologic, clinical radiographic and histological features, and the treatment and prognosis of principal premalignant, benign and malignant tumours and cysts of the oral cavity and salivary glands
- explain and describe the genetic, biochemical, clinical, radiographic and histological features, and the treatment and prognostic features of principal developmental diseases affecting the facial complex, diseases of the haemopoetic system and skin diseases affecting the oral and perioral structures
- competently diagnose histopathological slides
- Developmental and acquired abnormalities of teeth and oral tissue
- Dental caries, gingivitis and periodontal disease - epidemiology; aetiology; pathogenesis, the clinical, radiographic and histological features; and the treatment and methods of control.
- Pathology of pulpal and periapical lesions
- Major and minor inflammations of the jaw and perioral soft tissue
- Physical injuries, including those associated with the repair of dental caries, to the teeth, to the bone, and to soft tissue
- Chemical injuries of the oral cavity, including allergic and nonallergic reactions to drugs used locally or systemically.
- Stains and deposits that form on the teeth
- Bacterial, viral, fungal and parasitic infections of the oral and perioral regions
- Principles and procedures of biopsy and cytology
- Forensic odontology
- Oral manifestations of dermatological disorders
- Congenital and metabolic conditions affecting the oral tissues
- Odontogenic and non-odontogenic neoplasms and conditions of the jaw
- Cysts and cyst-like lesions of the oral regions
- Salivary gland diseases
- Tumours of the oral soft tissue
- White and pigmented lesions of the oral mucosa
- Vesiculo-bullous and ulcerative diseases of the oral mucosa
- Premalignant lesions of the oral mucosa
- Multidisciplinary approach of oral cancer diagnosis and management

	- Miscellaneous disease of bone and temporomandibular joints	
	- Practical histology	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer	80 hours
	Tutorials	80 hours
	Tests & examinations	10 hours
	Self-study	30 hours
	<u>Total learning time</u>	<u>200 hours</u>
Methods of student assessment:	Test / Assignment	50%
	Examination	50%

**ORT400:**

Home Department:	Orthodontics
Module Topic:	Orthodontics
Generic Module Name:	Orthodontics
Alpha-Numeric Code:	ORT400
Credit Value:	20
Duration:	Y
Proposed Semester/ Module:	Semester 1 & 2
Programmes in which the module will be offered:	BChD
Level:	8.1
Main outcomes:	On completion of this module, the student will be able to:

- clinically examine and evaluate patients with malocclusions
  - recognize factors contributing to the malocclusion
  - obtain orthodontic records for case analysis
  - apply and interpret specific orthodontic analyses
  - draw up a diagnosis and treatment plan
  - diagnose and treat patients with simple removable appliances
  - evaluate and adjust removable appliances designed for their patients
  - fit appropriate removable appliances for their patient
  - predict the outcome of their planned treatment
- Main content:
- Classification of malocclusion
  - Cephalometrics
  - Hand wrist radiograph analysis
  - Space analysis
  - Bolton analysis
  - Fabrication of study models
  - Aetiology of malocclusion
  - Orthodontic examination
  - Diagnosis and treatment planning

- Functional appliances
- Andrew's six keys to occlusion
- Biology of tooth movement
- Epidemiology of malocclusions in SA
- Steps in treatment planning
- Age factor in orthodontics
- Orthodontic materials
- Biomechanics of tooth movement
- Anchorage
- Preventive and interceptive orthodontics
- Orthopedic appliances
- Extractions in orthodontics and methods of gaining space
- Early loss of teeth
- Habits related to malocclusion
- Patient case discussion sessions where the student presents cases that are prepared for treatment by the student.

Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	70 hours
	Assignments & tasks	20 hours
	Tests & examination:	10 hours
	Self-study	20 hours
	Practicals	80 hours
	Other (specify)	
	<u>Total learning time</u>	<u>200 hours</u>
Methods of student assessment:	Test / Assignment	50%
	Examination	50%

**PED400: Paediatric Dentistry**

Home Department:	Paediatric Dentistry
Module Topic:	Paediatric Dentistry
Generic Module Name:	Paediatric Dentistry
Alpha-Numeric Code:	PED400
Credit Value:	15
Duration:	Y
Proposed Semester/ Term:	Semester 1 & 2
Programmes in which the module will be offered:	BChD
Level:	8.1
Main outcomes:	On completion of the module, the student will be able to:

- manage caries in the primary teeth for optimal function of the tooth and dentition using appropriate techniques for cavity preparation and restoration.
- recognize the state and extent of the decay in the primary tooth – active, arrested or rampant.

- maintain tooth vitality and function by selecting the appropriate pulp therapy technique.
- select the restorative material most appropriate to the cavity and the oral environment.
- restore the tooth using the appropriate restorative technique and material to ensure full function until exfoliation.
- construct the band and loop space maintenance appliance for one or more strategically missing teeth.
- perform the acid etch bleaching technique on vital teeth.
- demonstrate diagnostic and clinical skills that start with the emphasis on prevention in the treatment and management of the child patient.
- provide comprehensive dental care for the more common oral and dental diseases in the child patient.
- recognize, manage, and appropriately refer the child patient requiring more specialized care or pharmacotherapeutic behaviour management.
- communicate with the child patient and the parent or caregiver and other health professionals.
- demonstrate responsibility as a health professional in providing basic oral care to children.

Main content:

#### Pre-clinical Component

- The clinical manifestation of decay in the primary tooth
- The appropriate techniques (ART and conventional) to gain access to the decay and effect the discreet removal of the decay in the primary tooth.
- Appropriate cavity design – internal and external outline for optimal placement of the various restorative materials and the stainless steel crown
- The use of restorative materials in primary and young permanent teeth
- Pulp therapy techniques in the primary and young permanent teeth
- Design and fabrication of the band and loop space maintainer in the primary and early mixed dentition

#### Theoretical component

- Introduction to and basis for Paediatric Dentistry
- Dental caries, and gingivitis in children
- Psychological development of the child
- Behaviour management (non pharmacotherapeutic)
- Parental and environmental influence
- First appointment, diagnosis and treatment planning
- Restorative dentistry for the child patient
- Clinical prevention – application of oral hygiene, diet, fluorides, and fissure sealants for the child
- Diagnosis of pulp pathology
- Pulp therapy for the primary and young permanent tooth
- Common soft tissue lesions in children

	- Common hard tissue anomalies in children																
	- Dental trauma in the child – assessment and examination, injuries to the primary and young permanent dentitions																
Pre-requisite Modules:	None																
Co-requisite Modules:	None																
Prohibited Module																	
Combinations:	None																
Breakdown of Learning Time:	<table> <tr> <td>Pre-clinical</td> <td>20 hours</td> </tr> <tr> <td>Contact with lecturer / tutor</td> <td>25 hours</td> </tr> <tr> <td>Assignments: case study/tasks</td> <td>10 hours</td> </tr> <tr> <td>Tests &amp; examinations</td> <td>5 hours</td> </tr> <tr> <td>Self-study</td> <td>25 hours</td> </tr> <tr> <td>Clinical</td> <td>60 hours</td> </tr> <tr> <td>Other (library)</td> <td>5 hours</td> </tr> <tr> <td><u>Total learning time</u></td> <td><u>150 hours</u></td> </tr> </table>	Pre-clinical	20 hours	Contact with lecturer / tutor	25 hours	Assignments: case study/tasks	10 hours	Tests & examinations	5 hours	Self-study	25 hours	Clinical	60 hours	Other (library)	5 hours	<u>Total learning time</u>	<u>150 hours</u>
Pre-clinical	20 hours																
Contact with lecturer / tutor	25 hours																
Assignments: case study/tasks	10 hours																
Tests & examinations	5 hours																
Self-study	25 hours																
Clinical	60 hours																
Other (library)	5 hours																
<u>Total learning time</u>	<u>150 hours</u>																
Methods of student assessment:	<p>Pre-clinical</p> <p>Satisfactory completion of the stipulated procedures which include cavity designs and pulp therapy procedures.</p> <table> <tr> <td>Class tests and assignments</td> <td>30%</td> </tr> <tr> <td>Clinical mark</td> <td>30%</td> </tr> </table> <p>(student must obtain a sub minimum of 50% in the clinical component)</p> <table> <tr> <td>Examination</td> <td>40%</td> </tr> </table>	Class tests and assignments	30%	Clinical mark	30%	Examination	40%										
Class tests and assignments	30%																
Clinical mark	30%																
Examination	40%																

#### **PRE410:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

#### **Prevention**

Community Oral Health  
Prevention  
Prevention  
PRE410  
10  
S  
Semester 1

BChD  
8.1

On completion of the module, the student will be able to:

- explain philosophical issues in prevention and health promotion
- critique intervention issues around fluoride, diet, sugar and dental caries.
- appraise the relative merits of different prevention options based on evidence based dentistry

Main content:

The module covers topics broadly related to:

- A conceptual basis for dental prevention priorities
- Caries prevention and the notion of risk
- Caries, fluoride and fluoridation



	<ul style="list-style-type: none"> <li>- evaluate and describe the principle, rationale and technique in the placement of relines and resilient liners</li> <li>- identify and describe the biological aspects, principles and techniques in the construction of single dentures.</li> <li>- define and describe the changes in form and function of the mouth and jaw, brought about by the loss of some teeth</li> <li>- identify 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>- Special Clinical Procedures</li> <li>- Establishment of Jaw Relations</li> <li>- Use of Advanced Articulators</li> <li>- Alternative methods and materials in denture construction</li> <li>- Occlusion</li> <li>- Aesthetics</li> <li>- Tissue Conditioning, Relining, Rebased Procedures</li> <li>- Single Dentures</li> <li>- Denture Failures</li> <li>- Biological consequences of tooth loss</li> <li>- Distal Extension PD</li> <li>- Preparation of teeth to receive a RPD</li> <li>- Recognition and solution of errors in the construction of a RP</li> <li>- Assessment of individual needs and abilities of each patient; monitor patient's levels of plaque control</li> </ul>														
Main content:															
Pre-requisite Modules:	None														
Co-requisite Modules:	None														
Prohibited Module															
Combinations:	None														
Breakdown of Learning Time:	<table border="0" style="width: 100%;"> <tr> <td>Contact with lecturer / tutor</td> <td style="text-align: right;">30 hours</td> </tr> <tr> <td>Assignments &amp; tasks</td> <td style="text-align: right;">6 hours</td> </tr> <tr> <td>Tests &amp; examinations</td> <td style="text-align: right;">7 hours</td> </tr> <tr> <td>Self-study</td> <td style="text-align: right;">10 hours</td> </tr> <tr> <td>Practicals / Clinicals</td> <td style="text-align: right;">145 hours</td> </tr> <tr> <td>Other (Audiovisual Aids)</td> <td style="text-align: right;">2 hours</td> </tr> <tr> <td><u>Total learning time</u></td> <td style="text-align: right;"><u>200 hours</u></td> </tr> </table>	Contact with lecturer / tutor	30 hours	Assignments & tasks	6 hours	Tests & examinations	7 hours	Self-study	10 hours	Practicals / Clinicals	145 hours	Other (Audiovisual Aids)	2 hours	<u>Total learning time</u>	<u>200 hours</u>
Contact with lecturer / tutor	30 hours														
Assignments & tasks	6 hours														
Tests & examinations	7 hours														
Self-study	10 hours														
Practicals / Clinicals	145 hours														
Other (Audiovisual Aids)	2 hours														
<u>Total learning time</u>	<u>200 hours</u>														
Methods of student assessment:	<p>Achievement of Minimum Clinical Quota (subminimum = 50%)</p> <table border="0" style="width: 100%;"> <tr> <td>Clinical Assessment /Tests /</td> <td></td> </tr> <tr> <td>Assignments</td> <td style="text-align: right;">60%</td> </tr> <tr> <td>Examination</td> <td style="text-align: right;">40%</td> </tr> </table>	Clinical Assessment /Tests /		Assignments	60%	Examination	40%								
Clinical Assessment /Tests /															
Assignments	60%														
Examination	40%														

**PRT410:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the  
 module will be offered:  
 Level:  
 Main outcomes:

**Removable Partial Denture Techniques**

Prosthetic Dentistry  
 Removable Partial Denture Techniques  
 Removable Partial Denture Techniques  
 PRT410

5  
 B  
 Term 1

BChD

8.1

On completion of this module the student will be able to:

- explain the consequences of tooth loss
- describe the displacement characteristics of teeth and mucosa
- demonstrate the technical skills to perform all the procedures involved in the construction a partial removable prosthesis
- apply the principles of design to both acrylic-based and metal-based removable partial dentures.
- Choice, Properties and Applications of materials used
- Laboratory and Clinical Procedures
- Surveyors
- Biomechanics of Removable Partial Dentures
- Major & Minor Connectors; Retainers
- Principles of RPD Design
- Repairs and Additions to existing PD's
- Kennedy Classification

Main content:

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor	12 hours
Assignments & tasks	5 hours
Tests & examinations	3 hours
Self-study	10 hours
Practicals	20 hours
Other (specify)	
<u>Total learning time</u>	<u>50 hours</u>

Methods of student assessment:

Achievement of minimum quota

Clinical Assessment /Test /

Assignment: 60 %

Examination: 40 %

## **BChD V**

### **CLD500:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the  
module will be offered:  
Level:  
Main outcomes:

### **Clinical Dentistry V**

Conservative Dentistry  
Clinical Dentistry  
Clinical Dentistry V  
CLD500  
155  
Y  
Semester 1 & 2

BChD

8.1

On completion of this module, the student will be able to:

- Develop and use the surgical sieve to generate a differential diagnosis
- Prepare a comprehensive treatment plan incorporating all appropriate dental disciplines
- Recognize the pathological and radiological features of the various disease processes affecting the teeth and the jaws
- Deliver effective oral health care education and carry out routine oral health care procedures for special needs patients
- Demonstrate diagnostic and clinical skills that start with the emphasis on prevention in the treatment and management of the child patient
- Practise a holistic approach to child patient care and management.
- Generate a differential diagnosis for complex oral medical and oral pathological conditions
- Examine, diagnose, manage and recommend an appropriate treatment plan for the edentulous patient and explain the conditions for referral when necessary
- Deliver appropriate and effective oral health education to patients with prostheses
- Synthesize the behavioural and biosocial aspects of the treatment of a variety of patients from different backgrounds, as well as the patient who needs specialized care
- Diagnose and manage occlusal disharmony
- Diagnose and manage patients requiring advanced restorative dentistry and explain the conditions for referral where there is a need
- Explain the indications/contra-indications for doing a biopsy and be able to perform an incisional biopsy

- Assess, examine, diagnose and apply the principles of management for a patient with acute trauma and facial fracture
- Perform a simple intermaxillary fixation procedure
- Examine, diagnose, draw up a differential diagnosis and manage or appropriately refer patients with TMJ disorders
- Describe when patients with complex dental and/or medical problems should be referred to a specialist, and be able to write an appropriate letter of referral
- Recognize, describe, classify, differentiate and foresee developing and existing orthodontically related problems in children and adults
- Recognize and differentiate uncomplicated cases from more severe and complex cases
- Communicate and interact with dental specialists so as to co-ordinate the total health care of the patient.
- Describe the measures required in an oral health care delivery environment to manage medical emergency situations
- Draft a scientific report which would be acceptable as a publishable article in a peer reviewed scientific journal
- Prepare and deliver comprehensive oral care for a variety of patients (paediatrics, prosthodontics, orthodontics, periodontics, advanced oral surgery, special needs, geriatric, advanced prosthetic needs, dentofacial deformities)
- Determine the need for consultation in the management of patients with special needs in the specialist clinics
- Advise patients and/or their parents in the best interest of their/their children's oral health
- Assess patients for, and inform patients or guardians of, the indications, contra-indications, limitations, risks benefits of conscious sedation and general anaesthesia
- Manage fear and anxiety with behavioural techniques and when appropriate, with conscious sedation techniques
- Establish a definitive diagnosis of complex oral and medical problems by performing and interpreting diagnostic tests
- Evaluate the patient's treatment response and manage complications which may arise
- Identify and manage dental emergencies and appropriately refer those that are beyond the scope of management by a primary care dentist
- Interpret the significance of growth and development of the skull and face and the orthodontic principles which underpin the orthodontic management of patients

Main content:

- Communicate and interact with other members of the oral health team and other health care professional and providers, so as to co-ordinate the total health care of the patient.
- An approach to examination, diagnosis, treatment planning and management of the child patient
- An approach to examination, diagnosis, treatment planning and management of the patient with a malocclusion
- General principles of radiological interpretations
- Radiological interpretations of:
  - (i) Dental anomalies
  - (ii) Regressive changes of the dentition
  - (iii) Infections and inflammations
  - (iv) Cysts of the jaws
  - (v) Conditions of the maxillary sinuses
  - (vi) Benign tumors of the jaws
  - (vii) Malignant tumours of the jaws
  - (viii) Diseases of bone manifested in the jaws
  - (ix) Temporomandibular joint
  - (x) Soft tissue calcification
  - (xi) Trauma to the teeth and facial structures
- Blood dyscrasias
- Effects of sex hormones on the periodontium
- Adverse effects of drugs on the oral mucosa and periodontium
- Risk factors for periodontal disease
- Oral mucosal diseases in the paediatric patient
- Therapeutic measures for management of oral mucosal diseases
- Recognition of errors in the construction of a denture
- Assessment of hard and soft tissues with respect to their ability to support and retain a denture
- Principles and techniques in the use of diagnostic dentures
- Alternative treatment of the edentulous patient
- Preprosthetic surgery
- Immediate dentures
- Occlusion
- Biopsy techniques
- Cryosurgery
- Assessment of the acutely traumatized patient
- Principles of fracture management
- Facial fractures
- Tracheostomy
- TMJ including anatomy, examination, aetiology of TMJ disorders, and management
- Orthodontic-periodontic-prosthetic interrelationships

- An approach to examination, diagnosis, treatment planning and management of the patient with special needs (prosthodontics, periodontics, geriatrics, advanced oral surgery, special needs, advanced prosthetic needs, dentofacial deformities).
- Physical and psychological development of the child
- Behaviour patterns in children
- Physical, social, biological, physiological, psychological aspects of aging, and the oral health implications of aging
- Communication skills
- Post-trauma management
- Soft tissue calcification
- Trauma to the teeth and facial structures
- Orthognathic surgery
- Duplication of dentures - procedures
- Clinical application of advanced restorative dentistry
- Dental materials including porcelains, metals used for substructure, dental cements
- Advanced dental bonding techniques and materials
- Management of failures of advanced restorative dentistry
- Interdisciplinary interrelationships
- Counsel patients (as strategy for health promotion) applying the common risk factor approach

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor	465 hours
Assignments and tasks	145 hours
Tests and examinations	20 hours
Self-study/ seminars	230 hours
Clinical/ Practicals	590 hours
Other (specify): Audiovisual	100 hours
<u>Total learning time</u>	<u>1550 hours</u>

Methods of student assessment:

Continuous assessment	60%
Final Examination	40%

Continuous assessment

Continuous assessment will consist of:

- i) Mid-year assessment in each of the 6 disciplines. These will account for 20% of the continuous assessment mark
- ii) 2 Multi-disciplinary OSCEs, contributing 25% of the continuous assessment mark
- iii) Clinical assessment, contributing 45% to the continuous assessment mark.
- iv) Case presentations, assignments etc. contributing 10% to the continuous assessment mark.

- v) For the student to be admitted to the final examination he/she must obtain at least 50% in the clinical component of the continuous assessment for each of the 6 disciplines.

The final examination will consist of:

- i) Two 3-hour multi-disciplinary OSCEs contributing 70% to the examination mark.
- ii) A multi-disciplinary case presentation contributing 30% to the examination mark
- iii) A clinical examination and/or multi-disciplinary oral by invitation. The multi-disciplinary oral can change the final mark by a maximum of +5% of the final mark.
- iv) All students who have completed a formal research project will be credited with 5% of the final mark.

Promotion

In order to pass Clinical Dentistry in BChD V a student must obtain a:-

- i) final mark of 50% (computed as 60% of the continuous assessment mark and 40% of the final examination mark)
- ii) sub-minimum of at least 40% for the final examination

**ETH521:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programme in which the module will be offered:  
Level:  
Main outcomes:

**Ethics**

Community Oral Health  
Ethics  
Ethics  
ETH521  
5  
T  
Term 4

BChD

8.1

On completion of this module, the student will be able to:

- describe key ethical, moral and social principles underlying the notion of human rights.
- explain the relationship between human rights and the ethics of health care
- explain the legal and ethical responsibilities of professional health care practice in South Africa
- apply the principles of ethics and jurisprudence in a case study

Main content:

- Health and Human rights
- Ethics for health professionals
- Jurisprudence for health workers

Pre-requisite Modules:  
Co-requisite Modules:

None  
None

Prohibited Module Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	10 hours
	2 Assignments	20 hours
	Self-study	20 hours
	<u>Total learning time</u>	<u>50 hours</u>
Methods of student assessment:	2 assignments with equal value	2 x 50%
	Total	100%

**HSY510:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the  
 module will be offered:  
 Level:  
 Main outcomes:

**Health Systems**

Community Oral Health  
 Health Systems  
 Health Systems  
 HSY510  
 10  
 S  
 Semester 1

BChD  
 8.1

On completion of this module, the student will be able to:

- recognise the main structural features of different health systems
- compare the advantages and disadvantages of different delivery systems
- explain and compare the merits of the different health financing systems in existence here and abroad
- explain competing oral health policy imperatives in existence
- critically evaluate some aspect of health care delivery
- survey, describe and compare the administrative and economic workings of a private dental practice and a community health facility

Main content:

This module covers topics broadly related to the following sections:

- Types of health systems
- Health financing
- Health policy
- Human resources
- Oral health strategies

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor	25 hours
2 Assignments	30 hours
Tests & examinations	15 hours
Self-study	10 hours
Practicals	20 hours
<u>Total learning time</u>	<u>100 hours</u>

Methods of student assessment: 2 Assignments 70%  
 Test 30%

**IMP520:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the  
 module will be offered:  
 Level:  
 Main outcomes:

**Implants**

Prosthetic Dentistry & Oral Surgery  
 Implants  
 Implants  
 IMP520  
 5  
 S  
 Semester 2

BChD  
 8.1

- On completion of this module, the student will be able to:
- explain the biologic principles of implant treatment
  - describe the biomechanical principles, rationale and techniques for the use of overdentures
  - describe the principles and practices involved in the use of osseo-integrated implants
  - evaluate a potential implant patient in terms of treatment planning, prosthetic options, and aftercare needs
  - differentiate between different types of implant and implant abutments
  - describe the risks and benefits of both root – and implant -supported overdenture therapy
  - identify the patient with advanced prosthetic needs- obturators, implant-supported prostheses
  - 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
  - prepare and deliver a comprehensive treatment plan incorporating all appropriate dental disciplines
  - deliver appropriate and effective oral health education to patients with advanced prostheses

Main content:

- Principles and techniques in the use of overdentures
- Obturators
- Implants
- History of oral implants
- Osseo-integration
- Patient selection
- Selection of prostheses and occlusion
- Surgical protocol
- Complications and management of surgery
- Maintenance and follow-up of patients with prostheses

Pre-requisite Modules:  
 Co-requisite Modules:

None  
 None

Prohibited Module Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	10 hours
	Assignments & tasks	3 hours
	Tests and examinations	2 hours
	Self-study	3 hours
	Practicals / Clinicals	30 hours
	Other (Audiovisual Aids)	2 hours
	<u>Total learning time</u>	<u>50 hours</u>
Methods of student assessment:	Test / Assignment	60 %
	Examination	40%

**PRM520:**

Home Department:	Conservative Dentistry
Module Topic:	Practice Management
Generic Module Name:	Practice Management
Alpha-Numeric Code:	PRM520
Credit Value:	5
Duration:	T
Proposed Semester/ Term:	Term 4
Programmes in which this module will be offered:	BChD
Level:	8.1
Main outcomes:	On completion of this module, the student will be able to:

**Practice Management**

- Identify the legislative bodies and documents governing the dental profession
  - Apply the key principles of running a successful dental practice
  - Locate the financial tools necessary to finance, run and audit a dental practice
  - Apply systematic controls to assure quality of care and ethical dental practice
- Main content:
- Health legislation, statutory bodies and other associations
  - Running a successful dental practices
  - Financial management in dentistry
  - Quality control in dentistry

Pre-requisite Modules	None	
Co-requisite Modules:	None	
Prohibited Module Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	20 hours
	Assignment	10 hours
	Self-study	20 hours
	<u>Total learning time</u>	<u>50 hours</u>
	Methods of student assessment:	Assignment
	Test	75%
	Total	100%

## OHI

### ALD110:

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which  
modules will be offered:  
Level:  
Main outcomes:

### Academic Literacy for Oral Health

Oral Hygiene  
Academic Literacy  
Academic Literacy for Oral Health  
ALD 100  
10  
S  
Semester 2

OH; BOH  
5

On completion of this module, the student will be able to:

- Demonstrate an awareness of the consequence of lifestyle choices.
- Understand and generate academic text in oral health
- Demonstrate basic computer literacy skills
- Prepare for examination using appropriate study skill Strategies
- Use Greek and Latin roots to explain the meaning of dental terms

Main content:

#### Life Skills

- problem solving strategies
- skills for a balanced lifestyle
- time management
- communication – public speaking and small group skills
- presentation skills
- stress management
- conflict resolution
- anti-bias - personal work
- sexuality/HIV/Aids education
- substance abuse
- assertiveness training

#### Academic skills

- what is academic discourse
- scientific writing skills
  - i) the discourse
  - ii) how to tackle assignments/essay questions (eg What does “critically discuss” mean)
  - iii) how to structure an assignment
  - iv) drafting and editing assignments
  - v) referencing/ bibliographies
- scientific reading skills
  - i) critical reading skills
  - ii) reading academic English as a second language
- note-taking skills
- using the library

- i) finding books/journals
- ii) using Calico
- iii) using the internet for literature searches (this would be specific to the oral health sciences as opposed to the more generic skills covered in the computer module)

Study skills

- examination skills
- OSCE strategies

Language skills

- vocabulary specific to the oral health field
- Greek and Latin terms used in health science vocabulary

Computer skills

- basic word processing
- accessing the electronic media
- E-mail and internet
- introduction to Word, Power Point and Excel

Pre-requisite Modules: None

Co-requisite Modules: None

Prohibited Module

Combinations: None

Breakdown of Learning Time:	Contact with lecturer / tutor	40 hours
	Computer Literacy	20 hours
	Groupwork outside class time	10 hours
	Assignments, tasks, self-study	30 hours
	<u>Total learning time</u>	<u>100 hours</u>

Methods of student assessment:

Academic Literacy Component

This is a year long module, with contact sessions in the first semester. Assessment of both a formative and summative nature will be continuous. There will be no final examination as the nature of this component is developmental.

Academic Essay	60 %
Group Presentation	30%
Attendance	10%

The pass mark for the Academic Literacy component is 50%. A sub-minimum of 50% for the Academic Essay is required in order to pass this component.

Computer Literacy Component

The pass mark for the Computer Literacy component is 50%.

Calculation of final mark for Academic Literacy for Oral Health module:

Academic Literacy	50% of total
Computer Literacy	50% of total

<b>ADP120:</b>	<b>Applied Dental Practice</b>												
Home Department:	Oral Hygiene												
Module Topic:	Applied Dental Practice												
Generic Module Name:	Applied Dental Practice												
Alpha-Numeric Code:	ADP120												
Credit Value:	15												
Duration:	S												
Proposed Semester/ Term:	Semester 2												
Programmes in which the module will be offered:	OH; BOH												
Level:	5												
Main outcomes:	On completion of this module, students will be able to: <ul style="list-style-type: none"> <li>- Explain the role and responsibilities of the dental team in the clinical environment</li> <li>- Perform assisting functions in general, speciality clinics, radiology and theatre.</li> <li>- Take clinical photographs.</li> <li>- Prepare treatment trays with dental instruments.</li> <li>- Prepare and mix the various dental materials</li> </ul>												
Main content:	<ul style="list-style-type: none"> <li>- The different departments within a practice and their uses</li> <li>- Clinic 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.</li> <li>- Dental team concepts.</li> <li>- Infection control procedures. Sterilization and autoclaving.</li> <li>- General and speciality clinics and the departments within each.</li> <li>- Dental materials and equipment used in each type of practice/clinic/theatre, department and office.</li> </ul>												
Pre-requisite Modules:	None												
Co-requisite Modules:	None												
Prohibited Module													
Combinations:	None												
Breakdown of Learning Time:	<table border="0" style="width: 100%;"> <tr> <td>Contact with lecturer / tutor:</td> <td style="text-align: right;">65 hours</td> </tr> <tr> <td>Assignments &amp; tasks:</td> <td style="text-align: right;">20 hours</td> </tr> <tr> <td>Tests &amp; examinations:</td> <td style="text-align: right;">5 hours</td> </tr> <tr> <td>Self-study:</td> <td style="text-align: right;">20 hours</td> </tr> <tr> <td>Practicals:</td> <td style="text-align: right;">40 hours</td> </tr> <tr> <td><u>Total learning time:</u></td> <td style="text-align: right;"><u>150 hours</u></td> </tr> </table>	Contact with lecturer / tutor:	65 hours	Assignments & tasks:	20 hours	Tests & examinations:	5 hours	Self-study:	20 hours	Practicals:	40 hours	<u>Total learning time:</u>	<u>150 hours</u>
Contact with lecturer / tutor:	65 hours												
Assignments & tasks:	20 hours												
Tests & examinations:	5 hours												
Self-study:	20 hours												
Practicals:	40 hours												
<u>Total learning time:</u>	<u>150 hours</u>												
Methods of student assessment:	<table border="0" style="width: 100%;"> <tr> <td>Tests</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Assignments</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Objective structured clinical examinations (OSCE)</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Examination</td> <td style="text-align: right;">40%</td> </tr> </table>	Tests	20%	Assignments	20%	Objective structured clinical examinations (OSCE)	20%	Examination	40%				
Tests	20%												
Assignments	20%												
Objective structured clinical examinations (OSCE)	20%												
Examination	40%												

**CLP100:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Propose Semester/Term  
Programmes in which module  
will be offered  
Level:  
Main outcomes:

**Clinical Practice 1**

Oral Hygiene  
Clinical Practice  
Clinical Practice I  
CLP100  
25  
Y  
Semester 1 & 2

OH; BOH

5

- On completion of this module, students should be able to:
- describe and illustrate role of the professional oral hygienist in their manner of conduct.
  - describe the scope of practice of hygienists in SA.
  - describe the role and function of the HPCSA
  - demonstrate sound communication and education strategies in the management of individual patients.
  - describe the role of the hygienist in terms of total patient care.
  - explain and demonstrate the use of instruments used in oral prophylaxis.
  - perform a comprehensive oral examination , and present this in a logical order
  - use the results of the oral examination, assess the need of the patient to make a differential diagnosis.
  - draw up a treatment plan listing modalities in order of priority
  - explain the rationale for chosen modalities
  - refer appropriately (based on priorities and needs of the patient)
  - identify, perform and establish appropriate oral and health interventions
  - competently perform basic clinical procedures as defined in the content of the first year
  - perform preventative procedures for the pedodontic patient
  - manage appropriate oral health interventions for the pedodontic patient
  - integrate knowledge and apply for problem solving in patient care
  - assess patient progress using relevant indices or progress indicators.
  - use the information gathered during the clinical assessment to make a diagnosis and draw up a treatment plan for the periodontal patient.
  - identify and apply appropriate strategies for dental caries and periodontal disease
  - practice prevention on and promote oral health on a

	community and on an individual patient care level in relation to caries and periodontal disease
Main content:	- take impressions, pour and trim study models. Professionalism Clinical procedures, instruments, materials Laboratory procedures, materials, instruments Patient assessment Planning of comprehensive treatment Patient care Paediatric care- Patient evaluation- Problem solving Prevention of periodontal diseases and caries
Pre-requisite Modules:	None
Co-requisite Modules:	None
Prohibited Module Combinations:	None
Breakdown of Learning Time	Contact with lecturer / tutor: 100 hours Assignments & tasks: 20 hours Practicals and Typodonts 40 hours Clinical work 50 hours Tests & examinations 10 hours Self study 14 hours Other: community placement: 16 hours <u>Total learning time:</u> 250 hours
Methods of student assessment:	Tests, Practical work, OSCE 60% Assessment 40%

### **HDP110**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

### **Health, Development and Primary Health Care**

Oral Hygiene  
Primary Health Care  
Health, Development and Primary Health Care  
HDP110  
5  
T  
Term 2  
OH; BOH; BChD  
5  
On completion of this module, students will be able to:  
- Explain the concepts of health, development and primary health care.  
- Describe the links between health, development and primary health care.  
- Discuss the origins and main features of comprehensive primary health care.

	<ul style="list-style-type: none"> <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, academic argument.</li> <li>- Understand communication and multilingualism problems and how it affects society.</li> </ul>										
Main content:	<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>										
Pre-requisite Modules:	None										
Co-requisite Modules:	None										
Prohibited Module											
Combinations:	None										
Breakdown of Learning Time:	<table> <tr> <td>Contact with lecturer / tutor:</td> <td>16 hours</td> </tr> <tr> <td>Assignments &amp; tasks:</td> <td>16 hours</td> </tr> <tr> <td>Tests &amp; examinations:</td> <td>2 hours</td> </tr> <tr> <td>Self-study:</td> <td>16 hours</td> </tr> <tr> <td><u>Total learning time:</u></td> <td><u>50 hours</u></td> </tr> </table>	Contact with lecturer / tutor:	16 hours	Assignments & tasks:	16 hours	Tests & examinations:	2 hours	Self-study:	16 hours	<u>Total learning time:</u>	<u>50 hours</u>
Contact with lecturer / tutor:	16 hours										
Assignments & tasks:	16 hours										
Tests & examinations:	2 hours										
Self-study:	16 hours										
<u>Total learning time:</u>	<u>50 hours</u>										
Methods of student assessment:	<table> <tr> <td>Assignment</td> <td>60%</td> </tr> <tr> <td>Take home tests</td> <td>40%</td> </tr> </table>	Assignment	60%	Take home tests	40%						
Assignment	60%										
Take home tests	40%										

### **HUB110:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

### **Human Biology for Oral Health**

Oral Hygiene  
Human Biology for Oral Health  
Human Biology for oral Health  
HUB 110  
20  
S  
Semester 1

OH; BOH  
5

On completion of this module, students will be able to:

- explain human embryology from conception to birth
- describe the organization of the human body in terms of the different systems of the body (cardiovascular, respiratory, digestive, nervous and endocrine)
- label the anatomical structures of the head and neck
- explain oral histology and physiology of the oral cavity
- explain tooth morphology
- interpret the oral structures
- describe the microbial deposits of the oral cavity
- organize the human body
- human embryology from conception to birth

Main content:

- the cardiovascular, respiratory, digestive, nervous and endocrine systems
- theory and practicals of head and neck anatomy
- development of the oral facial structures, genetics and embryology
- the oral environment
- microorganisms of oral cavity
  - Dental biofilm and other soft deposits
  - calculus
- chemistry of plaque, calculus and fluorides.
- the periodontium and the oral mucosa.
- development of the hard tissue a clinical setting.
- the nerve supply
- oral physiology
- calcium metabolism.

Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturers / tutor:	90 hours
	Assignments & tasks:	40 hours
	Practicals	30 hours
	Tests & examinations:	20 hours
	Self Study	20 hours
	<u>Total learning time:</u>	<u>200 hours</u>
Methods of student assessment:	4 Class Tests (25% each)	50% of final mark
Assessment	Examination : Written 40%	
	OSCE 10%	50% of final mark

### **HDP111:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Module Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the module will be offered:  
 Level:  
 Main outcomes:

### **Interdisciplinary Health Promotion**

Oral Hygiene  
 Interdisciplinary Health Promotion  
 Interdisciplinary Health Promotion  
 HDP111  
 10  
 T  
 Term 1  
 OH; BOH  
 5  
 On completion of this module, the student will be able to:

- Explain the main approaches to health promotion.
- Describe health promotion in the social, political and environmental context and having an influence as the underlying causes of ill-health.
- 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.	
Main content:	- Critically reflect on their community-based experience knowledge.	
	- Background and history of Health Promotion and Health Promoting Schools	
	- The theory and application of health promotion models.	
	- Importance of accessing information for health promotion.	
	- The role of the media in health promotion	
	- The planning cycle: identifying the needs, writing objectives, deciding on indicators and developing and action plan, project implementation & methods of evaluation	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor	28 hours
	Assignments & tasks: preparation and research	30 hours
	Self-study	21 hours
	Practicals	21 hours
	<u>Total learning time:</u>	<u>100 hours</u>
Methods of student assessment:	Report	45%
	Peer Assessment	10%
	Project presentation	30%
	Journals	15%

<b>AFR120:</b>	<b>Introduction to Afrikaans (Dentistry)</b>
Home Department:	Afrikaans and Nederlands
Module Topic:	Introduction to Afrikaans
Generic Module Name:	Introduction to Afrikaans (Dentistry)
Module Code:	AFR120
Credit Value:	10
Duration:	S
Proposed Semester/ Term:	Semester 2
Programmes in which the module will be offered:	OH; BOH; BChD
Level:	5
Main outcomes:	At the end of this module, the learner should:
	- understand the position of Afrikaans relevant to the other languages in South Africa and in the immediate professional environment.
	- demonstrate adequate proficiency regarding the four basic language skills, i.e. listening, speaking, reading and writing.
	- be able to participate in elementary verbal communicative interaction in the dental care context.

	- have the vocabulary and grammatical competence needed in this context	
	- to have the basic reading and writing skills required in the dental care context.	
Main content:	- greeting and asking after well being	
	- getting acquainted and exchanging pleasantries	
	- establishing a professional relationship	
	- questions and responses	
	- requests, suggestions and explanations with particular emphasis on appropriate structures within the dental care context.	
	- taking leave	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturers / tutor:	42 hours
	Assignments & tasks:	12 hours
	Tests & examinations:	4 hours
	Self-study:	42 hours
	Practicals:	
	Other (specify):	
	<u>Total learning time:</u>	<u>100 hours</u>
Methods of student assessment:	Continuous Assessment	50 %
	Examination	50%

### **ICP110:**

Home Department:  
Module Topic:  
Generic Module Name:  
Module Code:  
Credit Value:  
Duration:  
Proposed Semester/Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

### **Introduction to Clinical Practice**

Oral Hygiene  
Introduction to Clinical Practice  
Introduction to Clinical Practice  
ICP110  
15  
S  
Semester 1  
OH; BOH  
5

On completion of this module, students will be able to:

- Demonstrate a basic understanding of infection control; microbiology; immunity.
- Practice infection control in the clinical setting.
- Take a complete medical, dental and social history
- Perform a basic oral examination.
- Make a diagnosis/differential diagnosis.
- Draw up a treatment plan.
- Assess the treatment implications and modifications required for selected medical conditions.

- Microbiology

Main content:

- Immunity
- Infection control
- Patient preparation
- The oral examination procedure
- Basic dental record keeping
- Introduction to history taking – social, medical and dental histories.
- Medical conditions that impact on dental treatment.
- Oral manifestations of medical/dental conditions.
- Preparation /precautions and response to emergencies in a clinical setting.
- Basic first aid.

Pre-requisite Modules: None

Co-requisite Modules: None

Prohibited Module

Combinations: None

Breakdown of Learning Time:	Contact with lecturers / tutor:	70 hours
	Assignments & tasks:	15 hours
	Tests & examinations:	12 hours
	Self-study:	38 hours
	Practicals:	15 hours
	<u>Total learning time:</u>	<u>150 hours</u>

Methods of student assessment:	Tests	20%
	Assignments	20%
	Objective structured clinical examinations (OSCE)	20%
	Examination	40%
	A sub-minimum of 40% should be attained in the i) Oral Examination and ii) Medical History components	

### **CHO120:**

Home Department:

Module Topic:

Generic Module Name:

Alpha-Numeric Code:

Credit Value:

Duration:

Proposed Semester/ Term:

Programmes in which the module will be offered:

Level:

Main outcomes:

### **Introduction to Xhosa (Dentistry)**

Xhosa

Introduction to Xhosa

Introduction to Xhosa (Dentistry)

CHO 120

10

S

Semester 2

OH; BOH; BChD

5

At the end of this module, the learner should:

- understand the position of Xhosa relevant to the other languages in South Africa and in the immediate professional environment.
- demonstrate adequate proficiency regarding the four basic language skills, i.e. listening, speaking, reading and writing.

	- be able to participate in elementary verbal communicative interaction in the dental care context.
	- have the vocabulary and grammatical competence needed in this context
	- to have the basic reading and writing skills required in the dental care context.
Main content:	- greeting and asking after well being
	- getting acquainted and exchanging pleasantries
	- establishing a professional relationship
	- questions and responses
	- requests, suggestions and explanations with particular emphasis on appropriate structures within the dental care context.
	- taking leave
Pre-requisite Modules:	None
Co-requisite Modules:	None
Prohibited Module	
Combinations:	None
Breakdown of Learning Time:	Contact with lecturers / tutor: 42 hours
	Assignments & tasks: 12 hours
	Tests & examinations: 4 hours
	Self-study: 42 hours
	Practicals:
	Other (specify):
	<u>Total learning time:</u> 100 hours
Methods of student assessment:	Continuous Assessment 50 %
	Examination 50%

### **NRT 120:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

### **Non-Invasive Restorative Techniques**

Oral Hygiene  
Non-Invasive Restorative Techniques  
Non-Invasive Restorative Techniques  
NRT 120

5  
S  
Semester 2

OH; BOH  
5

On completion of this module, students will be able to:

- explain the dynamic nature of the caries process
- implement remineralization strategies
- use various means to detect and diagnose caries
- identify and apply appropriate procedures for the prevention and treatment of dental caries
- identify and explain the properties of dental materials, as well as appropriate materials used in fissure sealants,

	Class V lesions, temporary restorations and the ART technique										
Main content:	<ul style="list-style-type: none"> <li>- place fissure sealants, restore Class V lesions, apply temporary restorations and perform the ART technique on teeth on plaster of paris (POP)</li> <li>- review definition</li> <li>- epidemiology</li> <li>- review the caries process; factors influencing the caries process, the impact of diet on dental caries</li> <li>- types of caries</li> <li>- caries detection including radiographic observation and recording of caries</li> <li>- cavity types and cavity preparation</li> <li>- science of dental materials and instruments, including those used to perform fissure sealants, class V cavities, ART and temporary restorations</li> <li>- the rationale and technique to perform fissure sealant placements</li> <li>- treatment of sensitivity using glass ionomer</li> <li>- treatment of carious lesions using ART and temporary restorations on teeth in plaster of paris</li> <li>- role of fluoride in remineralisation</li> </ul>										
Pre-requisite Modules:	None										
Co-requisite Modules:	None										
Prohibited Module											
Combinations:	None										
Breakdown of Learning Time:	<table border="0" style="width: 100%;"> <tr> <td>Contact with lecturers / tutor:</td> <td style="text-align: right;">65 hours</td> </tr> <tr> <td>Practicals</td> <td style="text-align: right;">20 hours</td> </tr> <tr> <td>Tests &amp; examinations:</td> <td style="text-align: right;">10 hours</td> </tr> <tr> <td>Self-study:</td> <td style="text-align: right;">5 hours</td> </tr> <tr> <td><u>Total learning time:</u></td> <td style="text-align: right;"><u>100 hours</u></td> </tr> </table>	Contact with lecturers / tutor:	65 hours	Practicals	20 hours	Tests & examinations:	10 hours	Self-study:	5 hours	<u>Total learning time:</u>	<u>100 hours</u>
Contact with lecturers / tutor:	65 hours										
Practicals	20 hours										
Tests & examinations:	10 hours										
Self-study:	5 hours										
<u>Total learning time:</u>	<u>100 hours</u>										
Methods of student assessment:	<table border="0" style="width: 100%;"> <tr> <td>Tests</td> <td style="text-align: right;">40%</td> </tr> <tr> <td>Practical Assessments</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Theoretical Examination</td> <td style="text-align: right;">40%</td> </tr> </table>	Tests	40%	Practical Assessments	20%	Theoretical Examination	40%				
Tests	40%										
Practical Assessments	20%										
Theoretical Examination	40%										
Assessment											

<b>ODS 120:</b>	<b>Oral Diseases I</b>
Home Department:	Oral Pathology
Module Topic:	Oral Diseases
Generic Module Name:	Oral Diseases I
Alpha-Numeric Code:	ODS 120
Credit Value:	10
Duration:	S
Proposed Semester/Term	Semester 1
Programmes in which the module will be offered	OH; BOH
Level:	5
Main Outcomes:	On completion of this module, the student will be able to:

- correctly use the terminology of pathology in oral and written communication
- explain the different causes (aetiology) of diseases
- discuss the different possible events (pathogenesis) which can occur following exposure to aetiological factors and which lead to damage and/death of cells and tissue in humans
- 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
- describe the aetiology, pathogenesis and consequences of thrombo-embolic disorders
- name the vascular causes of ischaemia, giving examples of each
- define ischaemia, infarction and shock
- define embolism and explain and discuss the types, consequences and complications of emboli
- explain the appearance and causes of infarction
- name and describe the main types of shock
- define and differentiate between acute and chronic inflammation
- name the causes of acute and chronic inflammation with specific reference to gingivitis and periodontitis
- name the cardinal signs of acute inflammation and explain the pathogenesis of each in terms gingivitis and periodontitis
- discuss the different morphological patterns, consequences and outcomes of acute and chronic inflammation with reference to gingivitis and periodontitis
- name the cell types involved in chronic inflammation
- define ulceration and explain the aetiology of ulcers
- discuss granulomatous inflammation
- define neoplasia
- clinically and histologically differentiate between benign and malignant neoplasms
- discuss the consequences of malignancy
- describe the important causes of hematological diseases
- identify and describe the important types of anemia
- investigate the history of excessive bleeding
- differentiate between clotting defects and coagulation defects
- recognize and describe the clinical features, causes, and management of hemorrhagic disease
- identify and discuss primary and secondary immunodeficiencies
- identify and explain the aetiology, clinical features and management of allergies and auto-immune disease

- systematically list and discuss and investigate the causes, clinical features and management of cervical lymphadenopathy
- manage patients with cardiovascular disease within the scope of practice of Oral Hygiene and Dental Therapy
- identify respiratory disorders affecting the oral cavity, and manage appropriately
- identify and describe gastrointestinal disorders affecting the oral cavity
- identify the clinical features of nutritional deficiencies
- recognize and describe oral effects and management considerations of the pregnant patient.
- identify and discuss disorders of the endocrine system
- identify renal disorders affecting the oral cavity
- correlate clinical and histological features of dental caries

Main Content:

- introduction to pathology and basic terminology
- genetic and environmental causes of disease
- disorders of growth, differentiation and morphogenesis
- responses to cellular injury
- ischaemia, infarction and shock
- healing and repair
- acute and chronic inflammation with special reference to gingivitis and periodontitis
- the role of microbes in periodontitis
- clinical features and role of diet in periodontal disease
- carcinogenesis and neoplasia
- anaemias
- haemorrhagic diseases
- immunodeficiencies and HIV disease
- allergy and autoimmune disease
- cervical lymphadenopathy
- cardiovascular disease including antibiotic prophylaxis
- respiratory tract disease
- gastrointestinal and liver disease
- nutritional deficiencies
- endocrine disorders and pregnancy
- renal disorders
- caries

Pre-requisite Modules: None

Co-requisite Modules: None

Prohibited Module

Combinations: None

Breakdown of Learning Time:	Contact with lecturer / tutor:	60 hours
	Assignments & tasks:	10 hours
	Tests & examinations:	12 hours
	Self-study:	18 hours
	<u>Total learning time:</u>	<u>100 hours</u>

Methods of student assessment: Tests (3 test of 50 marks each ) 60%  
Examination 40%

**OHP120:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the  
module will be offered:  
Level:  
Main Outcomes:

**Oral Health Promotion I**

Oral Hygiene  
Oral Health Promotion  
Oral Health Promotion I  
OHP120  
15  
S  
Semester 2

Main Content:

- On completion of this module, students should be able to:
- Discuss and describe socio- cultural factors relevant to the practice of the hygienist.
  - Discuss and describe psychological principles relevant to the practice of the hygienist.
  - Demonstrate good communication skills with the general public on a community and individual level.
  - Demonstrate sound oral health educational strategies to the general public on a community and individual level.
  - Plan, implement and evaluate a basic oral health promotion programme in a school setting.
  - The role of the oral hygienist as a health promoter
  - Introduction to developmental psychology
  - Introduction to sociology
  - Communication
  - Development of health education and health promotion
  - Health education
  - Health behaviour and health education
  - Planning for health education in primary health care.
  - Education with individuals and groups.
  - Methods and media in education.
  - Education and communication through the life stages.
  - Education and communication of individuals and groups who are mentally or physically challenged.
  - Programme planning
  - Oral health promotion programmes in a school setting

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor: 60 hours  
Assignments, tasks 40 hours

	Tests & examinations:	5 hours
	Practicals:	20 hours
	Other (specify): school based oral health promotion programme:	25 hours
	<u>Total learning time:</u>	<u>150 hours</u>
Methods of student assessment:	Assignments	10%
	Projects: OHP (15%) + OHE (15%)	30%
	Tests	20%
	Examination	40%

### **RAD123:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main outcomes:

### **Radiography I**

Diagnostics and Radiology  
Radiography  
Radiography I  
RAD123  
5  
S  
Semester 2

OH; BOH  
5

On completion of this module, the student will be able to:

- Explain the production of ionizing radiation and how images are recorded
- Explain the major principles of radiation biology
- Institute measures of protection from ionizing radiation to oneself, auxiliary personnel as well as the patient.

Main content:

- Atoms, Elements and Molecules
- Electromagnetic Waves
- The X-ray Machine
- The Production of X-rays
- Interaction Processes of X-rays
- Dosimetry
- Radiation Protection
- Film Handling and Processing Procedures

Pre-requisite Modules:  
Co-requisite Modules:  
Prohibited Module

None  
None

Combinations:  
Breakdown of Learning Time:

None  
Contact with lecturer / tutor: 30 hours  
Tests & examinations: 10 hours  
Assignments & tasks: 10 hours  
Total learning time 50 hours

Methods of student assessment:

Tests / Assignments 60%  
Examinations 40%

## OH II

### CLP200:

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the  
module will be offered:  
Level:  
Main outcomes:

### Clinical Practice II

Oral Hygiene  
Clinical Practice  
Clinical Practice II  
CLP200  
30  
Y  
Semester 1 & 2

OH; BOH  
6

- On completion of this module, the student will be able to:
- Demonstrate a professional code of ethics in all endeavors related to patient care.
  - Systematically collect, analyse and record data on the general, oral and psychosocial health status of a range of patients using methods consistent with medico-legal principles.
  - Use critical decision making skills to reach conclusions about the patient's needs based on all available data.
  - Collaborate with the patient and/or other health professionals to formulate a comprehensive oral health care plan that is patient-centered and based on current scientific evidence.
  - Provide preventive and therapeutic services within the scope of practice of the oral hygienist in SA to achieve and maintain oral health.
  - Evaluate the effectiveness of the implemented clinical, preventive and educational services and modify as needed.
- Main content:
- Dental hygiene as a process of care
  - Ethical practice for the health professional
  - Patient-clinician interaction
  - Basic counseling skills
  - Oral health education and motivation
  - Scaling and root planing
  - Polish /selective polish/ airpolishing
  - Fissure sealants
  - Fluoride treatment
  - Application of desensitising agents
  - Polishing of restorations
  - Local anaesthesia
  - Placement of temporary restorations
  - Paedodontics
  - Treatment of sensitive dentine or cervical abrasions
  - Integrated exercises

	- Case presentations	
	- Journal discussions	
Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor:	60 hours
	Tests & examinations:	10 hours
	Other (specify): treating	
	Patients	330 hours
	<u>Total learning time:</u>	<u>400 hours</u>
Methods of student assessment:	Assignments	15%
	Clinical examinations	25%
	Case presentations	20%
	OSCE	20%
	Final Exam/ OSCE	20%

### CON 210:

Home Department:  
Module Topic:  
Generic Module Name:  
Module Code:  
Credit Value:  
Duration:  
Proposed Semester/Term:  
Programmes in which the  
module will be offered:  
Level:  
Main Outcomes:

### Conservative Dentistry, Prosthetics and Orthodontics for Oral Hygiene

Conservative Dentistry  
Conservative Dentistry, Prosthetics, Orthodontics for Oral  
Hygiene  
Conservative Dentistry, Prosthetics and Orthodontics for  
Oral Hygiene  
CON 210  
15  
Y  
Semester 1 & 2  
Oral Hygiene  
6

On completion of this module, the student will be able to:  
Conservative Dentistry

- identify oral anatomy and physiology as it pertains to the hard tissue
- recognize, classify and diagnose early carious lesions and dental caries
- clinically categorise pulpal pain
- classify the main occlusal types
- describe the causative effects of occlusion on facial pain
- describe process, instrumentation and materials used in conservative procedures as defined by the scope of practice of an oral hygienist
- perform restorations as a temporary measure using temporary dressings
- alleviate tooth sensitivity by placing glass ionomer cement on sensitive dentine and cervical abrasion lesions

- restore teeth, with the ART technique
- cement inlays, crowns and bridges as a temporary measure
- classify endodontic lesions
- identify and refer patient for endodontic therapy
- assist with restorative procedures

#### Prosthetics

- explain concepts of dental prosthetics
- discuss why patients present for prosthetic treatment
- define complete and partial dentures, types and descriptions
- describe the principles of implantology
- identify and explain changes in form and function of the mouth and jaws brought about by the loss of some or all of the teeth
- identify the structures that will influence the placement of dentures in the oral cavity
- identify and describe materials and tools used in the manufacture of prostheses
- apply mixing and manipulation methods of prosthetic materials
- identify denture related injuries and problems
- recognize and manage problems unique to the geriatric patient
- explain the possible social and behavioural consequences of tooth loss
- discuss oral hygiene problems associated with dentures
- educate and motivate the patient on implants, complete and partial denture care and maintenance
- explain and demonstrate the technique for the placing of a tissue conditioner

#### Orthodontics

- identify normal occlusion as well as malocclusion
- take impressions and cast the impressions in rubber mould
- trim and soak the models according to the set criteria
- complete cephalometric tracings
- explain the principles involved in banding and bonding
- relieve trauma cause by intra and extra oral appliances e.g. cutting of distal wires
- place pre-activated orthodontic appliances and remove attachments and bands
- explain the role of the oral hygienist in the orthodontic practice
- assist in the orthodontic clinic

Main Content:

#### Conservative Dentistry

- review of anatomy and physiology as it pertains to the hard tissues.
- tooth numbering and nomenclature

- review the process of dental caries
- review the diagnosis, detection and classification of early carious lesions.
- classification of cavities
- dentine sensitivity, pain, diagnostic features of pulpal disease (clinical and radiographic) occlusion
- restoring of teeth and alleviating pain within the scope of an oral hygienist
- detection of defective restorations
- review instruments and materials used in conservative and restorative dentistry pertaining to the scope of an oral hygienist
- review theory and clinical application of:
  - Temporary restorations
  - ART in dentistry
  - Class V restorations
- fix partial prostheses and clinical application of temporary cementation of crowns and bridges
- Endodontics: classification of endodontic lesions, identification of potential endodontic therapy patients, treatment options and protocol for referral

#### Orthodontics

- records
- occlusion
- biology of tooth movement
- cephalometry
- materials
- role of the hygienist
- impression taking

#### Prosthetics

- the oral environment
- geriodontology
- complete dentures
- partial dentures
- implantology
- prosthetic materials and instruments
- patient education and motivation in prosthetics
- tissue conditioners

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor:

Cons: 20hours  
Pros: 20 hours  
Ortho 20hours

Assignments & practicals/  
tasks and patients

Cons 25 hours  
Pros: 10 hours  
Ortho: 25 hours

	Tests & examinations:	Cons: 5 hours Pros: 5 hours Ortho: 5 hours
	Self-study:	Cons: 5 hours Pros: 5 hours Ortho: 5 hours
	<b>Total learning time:</b>	<b>150 hours</b>
Methods of student assessment:	Tests	40%
	Patient Quotas	
	ART = 5	
	Temporary Restorations = 5	
	Class V = 5	
	Tissue Conditioners = 1	
	Practicals	20 %
	Examination	40%
	A sub-minimum of 40% should be attained in: Conservative Dentistry, Prosthetics, Orthodontics	

**EPM224:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the  
module will be offered:  
Level:  
Main Outcomes:

**Ethics**

Community Oral Health  
Ethics  
Ethics  
EPM224  
5  
T  
Term 4

OH; BOH  
6

On completion of this module, the student will be able to:

- Describe key ethical, moral and social principles underlying the notion of human rights.
- Explain the relationship between human rights and the ethics of health care
- Explain the legal and ethical responsibilities of professional health care practice in South Africa;
- Apply the principles of ethics and jurisprudence in a case study
- Health and human rights
- Ethics for health professionals
- Jurisprudence for health workers
- Effective health care practice
- Ethical principles underlying the practice for oral hygienists

Main Content:

Pre-requisite Modules:  
Co-requisite Modules:  
Prohibited Module  
Combinations:

None  
None  
None  
None

Breakdown of Learning Time:	Contact with lecturer / tutor:	10 hours
	2 Assignments:	20 hours
	Self-study:	20 hours
	<u>Total learning time:</u>	<u>50 hours</u>
Methods of student assessment:	2 assignments	100%

### **HST211:**

Home Department:

Module Topic:

Generic Module Name:

Alpha-Numeric Code:

Credit Value:

Duration:

Proposed Semester/ Term:

Programmes in which the

module will be offered:

Level:

Main outcomes:

Main content:

Pre-requisite Modules:

Co-requisite Modules:

Prohibited Module

Combinations:

Breakdown of Learning Time:

Methods of student assessment:

### **Health Systems**

Community Oral Health

Health Systems

Health Systems

HST211

5

S

Semester 1

OH; BOH

6

On completion of this module, the student will be able to:

- Recognise the main structural features of different health systems
- Compare the advantages and disadvantages of different delivery systems
- Explain and compare the merits of the different health financing systems in existence here and abroad
- Explain competing oral health policy imperatives in existence
- Critically evaluate some aspect of health care delivery

This module covers topics broadly related to the following sections:

- Types of health systems
- Health financing
- Health policy
- Human resources
- Oral health strategies

None

None

None

Contact with lecturer / tutor: 25 hours

Assignments: 15 hours

Tests & examinations: 5 hours

Self-study: 5 hours

Total learning time 50 hours

Assignment 50%

Seminar presentation 20%

Test 30%

**LAS200:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the  
 module will be offered:  
 Level:  
 Main Outcomes:

**Local Anaesthesia & Oral Surgery**

Maxillofacial, Oral Surgery and Anaesthesiology  
 Local Anaesthesia & Oral Surgery  
 Local Anaesthesia & Oral Surgery  
 LAS200  
 10  
 Y  
 Semester 1 & 2

OH; BOH

6

On completion of this module, the student will be able to:

- Explain the effects of local anaesthesia (LA).
- Describe how local anaesthesia works.
- Administer LA.
- Recognise contra-indications to the administration of LA.
- Recognize and manage adverse reactions to a LA solution.
- Recognise and manage complication of exodontias.
- Assist in the treatment of minor oral surgical procedures.
- Assist in the treatment of trauma involving the orofacial area.

Main Content:

Oral Surgery

- Extractions and their complications
- Abscesses and cysts
- Impacted teeth
- Trauma
- Effects of radiation
- Soft tissue wounds and their management

Local Anaesthesia

- Relevant Anatomy
  - (i) Osteology
  - (ii) Sensory Innervation
  - (iii) Muscles of mastication
- Pharmacology of LA
- Techniques
  - (i) Infiltration
  - (ii) Block
- Adverse reaction to LA
- Contra-indications to safe LA
- Complications

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor:	50 hours
Tests & examinations:	10 hours
Self-Study	20 hours

Practicals: 20 hours

Total learning time: 100 hours

Methods of student assessment: Continuous assessment will be based on the following:

Local Anaesthesia:

(I) 5 Tests covering different aspects

2 Tests covering all the work

(II) A minimum of 12 clinical evaluations

LA Mark: 50% Theory + 50% Clinical Mark

Oral Surgery:

3 Tests covering different aspects

1 Test covering all the work

Yearmark:

Local Anaesthesia 70% Continuous assessment mark

Oral Surgery 30% Continuous assessment mark

Final Mark

Yearmark 50%

Exam Mark 50%

A sub-minimum of 40% should be attained in the i) Local Anaesthesia and ii) Oral Surgery components

**MHD223:**

Home Department:

Module Topic:

Generic Module Name:

Alpha-Numeric Code:

Credit Value:

Duration:

Proposed Semester/ Term:

Programmes in which the module will be offered:

Level:

Main Outcomes:

**Measuring Health and Disease**

Community Oral Health

Epidemiology

Measuring Health and Disease

MHD223

10

B

Term 3

OH; BOH

6

On completion of this module, the student will be able to:

- Critically review and interpret basic epidemiological texts
- 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
- Assess the quality and relevance of data used to describe community health and illness
- Carry out a simple health research project
- Utilise a range of resources such as the library, health journals, interviews and computers in the process of epidemiological research
- Work in a cross-disciplinary group using effective time management, organisational and communication skills

Main Content:	<ul style="list-style-type: none"> <li>- Prepare a research report/poster of a standard acceptable for publication or presentation at a Faculty, Community or University research forum</li> </ul> <p><u>Descriptive epidemiology</u></p> <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> <p><u>Basic Statistics for Health Research</u></p> <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> <p><u>Health Research Methods</u></p> <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> <p><u>Computer skills for Research</u></p> <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															
Combinations:	None														
Breakdown of Learning Time:	<table border="0" style="width: 100%;"> <tr> <td>Contact with lecturer / tutor:</td> <td style="text-align: right;">40 hours</td> </tr> <tr> <td>Assignments &amp; tasks:</td> <td style="text-align: right;">15 hours</td> </tr> <tr> <td>Tests &amp; examinations:</td> <td style="text-align: right;">2 hours</td> </tr> <tr> <td>Self-study:</td> <td style="text-align: right;">18 hours</td> </tr> <tr> <td>Practicals:</td> <td style="text-align: right;">20 hours</td> </tr> <tr> <td>Other: Organising research logistics</td> <td style="text-align: right;">5 hours</td> </tr> <tr> <td><u>Total learning time:</u></td> <td style="text-align: right;"><u>100 hours</u></td> </tr> </table>	Contact with lecturer / tutor:	40 hours	Assignments & tasks:	15 hours	Tests & examinations:	2 hours	Self-study:	18 hours	Practicals:	20 hours	Other: Organising research logistics	5 hours	<u>Total learning time:</u>	<u>100 hours</u>
Contact with lecturer / tutor:	40 hours														
Assignments & tasks:	15 hours														
Tests & examinations:	2 hours														
Self-study:	18 hours														
Practicals:	20 hours														
Other: Organising research logistics	5 hours														
<u>Total learning time:</u>	<u>100 hours</u>														
Methods of student assessment:	<table border="0" style="width: 100%;"> <tr> <td>Test 1</td> <td style="text-align: right;">25%</td> </tr> <tr> <td>Test 2</td> <td style="text-align: right;">25%</td> </tr> <tr> <td>Assignment</td> <td style="text-align: right;">50%</td> </tr> </table> <p>Assignment mark determined by:</p> <ul style="list-style-type: none"> <li>- Group poster</li> <li>- Peer groups and staff marking of poster.</li> </ul> <p>Peer evaluation of individual group member's contribution used as a modifier in some cases.</p>	Test 1	25%	Test 2	25%	Assignment	50%								
Test 1	25%														
Test 2	25%														
Assignment	50%														

<b>ODP220:</b>	<b>Oral Diseases II</b>
Home Department:	Oral Medicine and Periodontology
Module Topic:	Oral Diseases
Generic Module Name:	Oral Diseases II
Alpha-Numeric Code:	ODP220

Credit Value:	15
Duration:	S
Proposed Semester/Term:	Semester 1
Programmes in which the module will be offered	OH; BOH
Level:	6
Main Outcomes:	<p>On completion of this module, the student will be able to:</p> <ul style="list-style-type: none"> <li>- Identify the signs and symptoms and be able to differentially diagnose diseases of the oral mucosa and oral hard tissues</li> <li>- apply knowledge gained in epidemiology, oral surgery and pharmacology to maintain certain oral diseases</li> <li>- take cytological smears of lesions of the oral mucosa and areas of sepsis in bone</li> <li>- manage patients with hard and soft tissue conditions</li> <li>- evaluate patients response to treatment of oral mucosal diseases and certain bone diseases</li> <li>- identify and describe developmental conditions, infections, metabolic diseases and other non-neoplastic diseases of the hard and soft tissue of the mouth</li> <li>- identify and describe odontogenic cysts and tumours</li> <li>- identify and describe tumour-like lesions of the jaws</li> <li>- identify and describe benign and malignant neoplasms of hard and soft tissues of the mouth</li> <li>- identify and describe pre-malignant lesions of the oral mucosa</li> <li>- identify and describe oral cancer</li> <li>- describe the microbiology and immunology of periodontal tissue</li> <li>- discuss the aetiological factors of periodontitis</li> <li>- identify and describe acute, chronic, hormonal and hyperplastic periodontal diseases</li> <li>- discuss the rationale for periodontal surgery, and refer appropriately</li> <li>- identify and describe endontic, restorative and orthodontic periodontic lesions</li> </ul>
Main Content:	<ul style="list-style-type: none"> <li>- developmental disorders of teeth and related tissues</li> <li>- pulpitis, periapical infection, resorption, hypercementosis</li> <li>- major infections of the mouth, jaw and perioral tissues</li> <li>- cysts of the jaws</li> <li>- odontogenic tumours and tumour-like jaw lesions</li> <li>- non-odontogenic tumours of the jaws</li> <li>- genetic, metabolic and non-neoplastic bone diseases</li> <li>- mucosal infections</li> <li>- non-infective stomatitis</li> <li>- tongue disorders</li> <li>- benign chronic white mucosal lesions</li> <li>- oral premalignancy</li> </ul>

- oral cancer
- neoplastic and non- neoplastic diseases of salivary glands
- common benign mucosal swellings
- soft tissue neoplasms
- melanoma and other pigmented lesions
- microbiology and immunology of the periodontal tissue
- aetiological factors of periodontitis-local and systemic
- acute, chronic, hormonal and hyperplastic periodontal diseases
- rationale for periodontal surgery and referral of complex treatment and management
- periodontic-endodontic lesions, restorative, orthodontic.

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer/tutor	80 hours
Assignments & tasks	40 hours
Tests & examinations	10 hours
Self Study	20 hours
<u>Total learning time</u>	<u>150 hours</u>

Methods of student assessment:

4 OSCE Tests:	60%
Examination	40%

A student who attains 80% or more for each of the 4 tests will be exempt from the examination. A subminimum of 40% should be obtained for pathology and periodontology.

### **OHP200:**

Home Department:

Oral Hygiene

Module Topic:

Oral Health Promotion

Generic Module Name:

Oral Health Promotion II

Alpha-Numeric Code:

OHP200

Credit Value:

10

Duration:

Y

Proposed Semester/ Term:

Semester 1 & 2

Programmes in which the module will be offered:

OH; BOH

Level:

6

Main Outcomes:

On completion of this module, the student will be able to:

- Apply health promotion theory and practice
- Promote oral health on a public health and individual patient care level
- The role of the oral hygienist as a health promoter
- Communication
- Development and principles of oral health promotion
- Oral health and oral health promotion
- Information for health promotion

Main Content:

- Basic research in health promotion
- Application of the multidisciplinary team approach in promoting oral health
- Health education and behavior change theories
- Health promotion planning models
- Approaches in oral health promotion.
- Advocacy to promote health
- The settings approach in health promotion
- Use of the media in promoting oral health
- Oral health education to individuals and groups.
- Oral health/health promotion activities in South Africa
- Oral health/health promotion policy in South Africa
- Evidence based care in health promotion
- Development, implementation and evaluation of an oral health promotion intervention

Pre-requisite Modules: None

Co-requisite Modules: None

Prohibited Module

Combinations: None

Breakdown of Learning Time:	Contact with lecturer	50 hours
	Assignments & tasks	20 hours
	Tests & examinations	5 hours
	Practicals: Project	25 hours
	<u>Total learning time</u>	<u>100 hours</u>

Methods of Student Assessment:	Education in the community	Minimum quota
	Tests/ assignments.	25%
	Assessment by peer and tutor (health education)	5%
	Journal presentation	5%
	Project (process, report and presentation).	35%
	Examination	30%

**PMP220:**

Home Department:

Module Topic:

Generic Module Name:

Alpha-Numeric Code:

Credit Value:

Duration:

Proposed Semester/ Term:

Programmes in which the

module will be offered:

Level:

Main Outcomes:

**Practice Management and Professional Development**

Oral Hygiene

Practice Management and Professional Development

Practice Management and Professional Development

PMP 220

5

S

Semester 2

OH; BOH

6

On completion of this module, the student will be able to:  
Professional bodies

- discuss the role of legislation and professional bodies in relation to the oral health profession.

### The oral hygienist in practice

- develop a mission statement and goals for the dental hygiene component of a dental practice/clinic.
- describe the behaviour necessary for successful patient/practice management.
- describe the different types of appointment management systems.
- develop a marketing plan for a dental practice including strategies for increased patients satisfaction and methods to evaluate this
- develop a business plan for the oral hygiene component of a dental practice
- describe principles of a successful dental practice.

### Employment

- negotiate with prospective employers on issues of employment contacts, salaries and conditions of employment
- write an employment resume and cover letter to a prospective employer (such as dentists in practice or public health facility)
- outline a sample job interview with possible questions a candidate may receive with appropriate responses.
- describe employment opportunities for oral hygienists
- describe job search strategies, including a list of job sources
- define the terms of dental hygiene employment and give examples of how they can be combined to fully describe the nature of an employment arrangement.
- design an employment contract including a job description, compensation, terms of employment, performance evaluation and termination procedures
- describe why stress is common among dental hygienists and list stress management techniques
- describe the legal requirements to practice as an oral hygienists – the employment contract, insurance and registration with HPCSA

### Professional Development

- identify opportunities for professional development and continuing education
- develop a plan for personal financial management, including a budget, insurance coverage, investment goals and a retirement plan.
- legislated and professional bodies governing the oral health professions.
- written and verbal communication for successful practice management and professional development
- marketing the profession and the practice
- the successful practice/clinic
- appointment systems

Main Content:

	- preparation for employment: contracts, insurance, interviews, registration with the HPCSA, personal planning
	- professional development
	- stress management
	- personal financial management
Pre-requisite Modules:	None
Co-requisite Modules:	None
Prohibited Module	
Combinations:	None
Breakdown of Learning Time:	Contact with lecturer 12 hours
	Presentations: 4 hours
	Other: Placements 24 hours
	Self-study: 10 hours
	<u>Total learning time: 50 hours</u>
Methods of student assessment:	2 Assignments 100%
	Practice Placement of 24 hours
	A minimum of 50% is required for each assignment.

**PRV212:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main Outcomes:

**Prevention**

Community Oral Health  
Prevention  
Prevention  
PRV212  
5  
S  
Semester 1

OH; BOH  
6

On completion of this module, the student will be able to:

- Explain philosophical issues in prevention and health promotion
- Critique intervention issues around fluoride, diet, sugar and dental caries.
- Appraise the relative merits of different prevention options based on evidence based dentistry

Main Content:

- The module covers topics broadly related to:
- A conceptual basis for dental prevention priorities
  - Caries prevention and the notion of risk
  - Caries, fluoride and fluoridation
  - Public oral health and clinical interventions (e.g. fissure sealants, fluoride gel, etc)
  - Diet, nutrition and oral health
  - Preventing the ignored oral diseases (noma, HIV, hepatitis, etc)
  - A rationale for rating different oral disease prevention strategies

Pre-requisite Modules:	None
Co-requisite Modules:	None
Prohibited Module Combinations:	None
Breakdown of Learning Time:	Contact with lecturer / tutor: 40 hours
	Assignments: 20 hours
	Tests & examinations: 20 hours
	Self-study: 20 hours
	<u>Total learning time:</u> 100 hours
Methods of student assessment:	Assignment 40%
	Seminar presentation 20%
	Test 40%

### **RAD200:**

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the module will be offered:  
Level:  
Main Outcomes:

### **Radiography II**

Diagnostics and Radiology  
Radiography  
Radiography II  
RAD200  
10  
Y  
Semester 1 & 2

OH; BOH  
6

- On completion of this module students should be able to:
- Demonstrate the techniques involved in producing the various radiographic views.
  - Explain the production of ionizing radiation and how images are recorded.
  - Explain the major principles of radiation biology
  - Institute measures of protection from ionizing radiation to oneself, auxiliary personnel as well as the patient.
  - Carry out the various radiological examinations of the teeth and jaws including film processing procedures.
- Main Content:
- Basic Radiation Physics & Equipment
  - Radiation Protection
  - The Radiographic film
  - Film handling and Processing
  - Radiographic anatomy of the skull, jaws and teeth
  - Intra-oral radiographic techniques
  - Extra-oral radiographic techniques
  - Technique and processing errors
  - Diagnostic quality of radiographs
  - Infection control in dental radiography
  - Radiographic interpretation of caries
  - Radiographic interpretation of periodontal disease

Pre-requisite Modules

None

Co-requisite Modules:	None
Prohibited Module	
Combinations:	None
Breakdown of Learning Time:	Contact with lecturer / tutor: 30 hours
	Assignments & tasks:
	Tests & examinations: 10 hours
	Self-study:
	Practicals: 60 hours
	Other (specify):
	<u>Total learning time:</u> 100 hours
Methods of student assessment:	Continuous Assessment:
	Tests 40%
	Assignments/seminar 10%
	Clinical work 40%
	OSCE 10%
	Final Mark:
	Continuous assessment 50%
	Examinations 50%

**SPC210:**

Home Department:

Module Topic:

Generic Module Name:

Alpha-Numeric Code:

Credit Value:

Duration:

Proposed Semester/ Term:

Programmes in which the module will be offered:

Level:

Main Outcomes:

Main Content:

**Special Patient Care**

Oral Hygiene

Special Patient Care

Special Patient Care

SPC210

15

S

Semester 1

OH; BOH

6

On completion of this module, the student will be able to:

- Apply basic counseling skills to patients with special needs and to their care givers or parents.
  - Identify and explain different special needs.
  - Establish the factors that affect/influence the health and oral health of patients with special needs.
  - Manage the special needs patient in the clinic.
  - Consult and refer special needs patients to other health professionals
- Main Content:
- Counseling Skills
  - Women's oral health.
  - The geriatric patient.
  - Medical and other compromised patients:
    - (i) Cancer patients
    - (ii) Diabetes Mellitus
    - (iii) Acquired Immune Deficiency
    - (iv) Blood disorders
    - (v) Cardiac Patients

- (vi) Epilepsy
- (vii) Patients with cleft lip and palate
- (viii) Down's syndrome and other mentally compromised patients
- (ix) physically and psychologically compromised patients
- (x) Renal patient
- (xi) the sensory deprived patients

Pre-requisite Modules:	None	
Co-requisite Modules:	None	
Prohibited Module		
Combinations:	None	
Breakdown of Learning Time:	Contact with lecturer / tutor:	75 hours
	Assignments & tasks:	30 hours
	Tests & examinations:	15 hours
	Self-study:	30 hours
	Practicals:	
	Other (specify):	
	<u>Total learning time:</u>	<u>150 hours</u>
Methods of student assessment:	Tests	40%
	Assignments/worksheet/presentations	20%
	Examination	40%

## BOH III

### ARS300:

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ Term:  
Programmes in which the  
module will be offered:  
Level:  
Main Outcomes:

### Applied Research

Oral Hygiene  
Applied Research  
Applied Research  
ARS300  
20  
Y  
Semester 1 & 2

BOH

7

On completion of this module, the student will be able to:

- Research a topic in oral health to be used as a basis to develop an oral health promotion project.
- Present the research findings in an oral and written form to colleagues
- The use of research in oral health promotion.
- Critical analysis of the literature.
- Types of research.
- Problem selection.
- Research planning and design.
- Data collection and measuring techniques.
- Analysis and interpretation of data.
- Writing of research paper.

Main Content:

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor:	30 hours
Assignments & tasks:	15 hours
Other (specify): research project	155 hours
<u>Total learning time:</u>	<u>200 hours</u>

Methods of Student Assessment:

Seminar	20%
Assignments (2)	10%
Project	70%

### CLP300:

Home Department:  
Module Topic:  
Generic Module Name:  
Alpha-Numeric Code:  
Credit Value:  
Duration:  
Proposed Semester/ term:

### Clinical Practice III

Oral Hygiene  
Clinical Practice  
Clinical Practice III  
CLP300  
40  
Y  
Semester 1 & 2

Programmes in which the module will be offered:

BOH

Level:

7

Main Outcomes:

On completion of this module, students will be able to:

- Provide oral health care to promote patient health and wellness, using critical thinking and problem solving skills in the provision of evidence-based practice.
- Provide oral health care to patients at a tertiary hospital level.
- Develop oral health care programmes directed at patients and staff at a tertiary hospital level.
- Discuss and illustrate the role of the hygienist in managing patients in various specialist areas (orthodontics; paedodontics; periodontology; oral surgery; prosthetics; conservative dentistry) in private practice and public health settings.
- Access professional and social networks and other resources to provide improved patient care in various settings.
- Develop computer aided health promotion material.
- Continuous education through seminars, case discussions and journal presentations.
- Clinical practice at a tertiary hospital level
- Clinical practice in the orthodontic, periodontic, prosthodontic, conservative, maxillofacial and paedodontic practices/clinics.
- Intermediate counseling skills.
- Integrated problems solving exercises.
- Education and training of other health professionals in providing oral health care at a tertiary level.
- Internships at tertiary hospitals and specialist practices.
- Computer aided health promotion material.

Main Content:

Pre-requisite Modules:

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor:	40 hours
Assignments & tasks:	60 hours
Tests & examinations:	10 hours
Self-study:	90 hours
Practicals:	20 hours
Other (specify): patient care in various practices/clinics:	280 hours
<u>Total learning time:</u>	<u>400 hours</u>

Methods of student assessment:

Part 1

*Clinical assessment*

Minimum quota as stated in the module requirements

Assignments/projects	30%
Case presentations	20%
Seminar	20%
Journal discussion	20%
Examination:	
OSCE / Written Paper	30%
<u>Part 2</u>	
<i>Clinical Placement</i>	Minimum of 80 hours

**ODP310:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the  
 module will be offered:  
 Level:  
 Main Outcomes:

**Oral Diseases and Prevention III**

Oral Hygiene  
 Oral Diseases and Prevention  
 Oral Diseases and Prevention III  
 ODP310  
 20  
 S  
 Semester 1

BOH  
 7

- On completion of this module, the student will be able to:
- Describe current trends and management of selected oral diseases/ oral related health problems.
  - Describe prevention strategies for selected oral diseases/ oral related health problems.
  - Compare and critique the evidence for /current literature on selected oral diseases and their prevention.
  - Assume responsibility for oral health actions and care based on accepted scientific theories and research as well as the accepted standard of care.
  - Women's oral health
  - Periodontal disease
  - Oral Cancer
  - HIV and AIDS
  - Dental caries
  - Strategies:
    - (i) Smoking cessation programmes
    - (ii) The common risk factor approach.
    - (iii) Intermediate counseling skills.

Main Content:

Pre-requisite Modules:  
 Co-requisite Modules:  
 Prohibited Module  
 Combinations:  
 Breakdown of Learning Time:

None  
 None  
 None  
 Contact with lecturer / tutor: 45 hours  
 Assignments & tasks: 30 hours  
 Tests & examinations: 10 hours  
 Self-study: 75 hours  
 Practicals: 20 hours

	Other (specify): visits to institutions such as GSH:	20 hours
	<u>Total learning time:</u>	<u>200 hours</u>
Methods of student assessment:	Assignments	40%
	Projects	10%
	Seminar presentation	10%
	Examination	40%

**OHP320:**

Home Department:  
 Module Topic:  
 Generic Module Name:  
 Alpha-Numeric Code:  
 Credit Value:  
 Duration:  
 Proposed Semester/ Term:  
 Programmes in which the module will be offered:  
 Level:  
 Main Outcomes:

**Oral Health Promotion III**

Oral Hygiene  
 Oral Health Promotion  
 Oral Health Promotion III  
 OHP320  
 25  
 S  
 Semester 2  
 BOH  
 7

- On completion of this module, the student will be able to:
- Apply health promotion theory and practice, based on current evidence, to promote oral health at a public health and individual patient care level.
  - Promote the values of oral and general health and wellness to the public, organizations and other professionals.
  - Identify, conduct and present appropriate research activities to inform oral health promotion initiatives.
  - Identify individual and population risk factors and develop strategies that promote health related quality of life.
  - Assess the oral health needs in the community and the quality and availability of resources and services.
  - Provide community oral health services in a variety of settings.
  - Evaluate the outcomes of community- based programmes and make recommendations to the relevant parties.
  - Evaluate the effectiveness of implemented clinical, preventive and educational services and modify appropriately.
  - Access professional and social networks and resources to assist oral health promotion initiatives.
  - Communicate effectively with individuals, groups, communities and organizations both verbally and in writing
  - A review of the history and development of health promotion /oral health promotion.

Main Content:

- The role of the oral hygienist as a health promotion practitioner in the public and private sectors.
- The health promotion/oral health promotion approach in the South African health care sector
- Global trends in oral health status.
- Determinants of oral health.
- Research to promote health.
- A critique of oral health promotion interventions in practice and the literature.
- Oral health promotion in a primary health care setting.
- Approaches to health/oral health promotion.
- Strategies for oral health promotion
- The application of behaviour change theories in health education.
- The application of planning models/theories for health promotion.
- The role and use of the media in health promotion.
- Community participation to promote oral health.
- Health promotion interventions in different settings.
- Communication in health promotion

Pre-requisite Modules

None

Co-requisite Modules:

None

Prohibited Module

Combinations:

None

Breakdown of Learning Time:

Contact with lecturer / tutor:	50 hours
Assignments & tasks:	30 hours
Tests & examinations:	10 hours
Self-study:	80 hours
Practicals:	30 hours
Other (specify): health promotion projects:	50 hours
<u>Total learning time:</u>	<u>250 hours</u>

Methods of Student Assessment:

Assignments	20%
Projects	30%
Seminar presentation	10%
Examination	40%





