SCHOOL OF DENTISTRY

TABLE OF CONTENTS

SCHOOL OF DENTISTRY
ACADEMIC PERSONNEL AS ON 30 SEPTEMBER 2001

CHAIRPERSON/DEAN
Prof. A.J. Ligthelm, MChD(Pret) PhD(Stell) MASSAf

Department of Community Dentistry

Van Wyk, P.J., BSc MChD PhD Dip Publ.Admin(Pret)	Professor (Head)
White, J.G., BChD(Hons) MBA(Stell) DTE(Pret)	Senior Lecturer
Booyens, S.J., Dipl Oral Hyg MSc(Odont)(Pret) BA Dip Speech(Unisa)	Lecturer
Du Bruyn, R.C., AdvDiplOhyg DHETP(Pret)	Lecturer

Department of Diagnostics and Röntgenology

Buch, B., BSc(Agric)(Natal) HED(Cape Town) BDS MSc(Dent)(Witwatersrand)	Professor (Head)
Fensham, R., Dip Rad(Diag) Dip Rad(Ther)(Pret)	Lecturer
Grove, J.T.K., BChD(Pret)	Lecturer
Heymans, J.H., BChD(Pret)	Lecturer
Maritz, M.P., Dip Rad(Diag)(Pret)	Lecturer
Schoeman, V.C., BChD(UWC)	Lecturer
Van der Linde, A., Dip Rad(Diag)(UOFS) HED(Unisa)	Lecturer
Wood, J. E., Dip Rad(Diag)(Pret)	Lecturer

Department of Maxillo-Facial and Oral Surgery

Bütow, K-W., BSc(RAU) MChD(MFOS)(Stell) DMD (Erlangen-Nürnberg) PhD DSc(Odont)(Pret)	Professor (Head)
Van der Merwe, A.E.A., BChD(Hons) DTE MChD(MFOS)(Pret)	Senior Lecturer
Dintcheva, P.M., M Stomat Dip Dent Surg(Sofia Bulgaria) Dip Odont(Pret)	Lecturer
Greef, W., BChD(Pret) NDT(Met)(Vaal Triangle)	Lecturer
Ragadu, A.M., BChD(UWC) Postgr Dent Dip(Stell) Dip Odont (Pret)	Lecturer

Department of Oral Pathology and Oral Biology

Van Heerden, W.F.P., MChD(Pret) PhD(Dent)(Medunsa)	Professor (Head)
Swart, T.J.P., MChD MSc(Odont)(Pret)	Senior Lecturer
Van Niekerk, P.J., BSc(Hons)(UOFS) MDent(Pret)	Senior Lecturer

Department of Orthodontics

Du Toit, A., BChD(Pret)	Lecturer (Acting Head)
De Mûelenare, J.J.G.G., MChD(Pret)	Extraordinary Professor
Grobler, M., MChD(Pret) DDO RFPS(Glasgow)	Extraordinary Professor
Nel, S.J.P., MChD PhD(Dent)(Pret)	Extraordinary Professor
Beukes, S., BChD Dip(Odont)(Pret)	Lecturer

Department of Periodontics and Oral Medicine

Verwayen, F.D., MChD(Pret)	Professor (Head)
Lohse, P.J., HDipDent BDS (Witwatersrand)	Extraordinary Professor
Hannah, J., MChD(Pret)	Senior Lecturer
Buitendach, M.P., HDipOhyg DTE(Pret)	Lecturer

Department of Prosthetics and Dental Mechanics

De Wet, F.A., MDent DTE DSc(Odont)(Pret)	Professor
	(Acting Head)
Kemp, P.L., DChD (Pret) MSc(London)	Professor
Benninghoff, W., MChD(Pret) BA DTE(Unisa)	Senior Lecturer
Botha, P.B., BSc(PU for CHE) BChD MSc(Pret)	Lecturer
Van der Merwe, L., BChD(Pret)	Lecturer

Department of Restorative Dentistry

Becker, L.H., MChD(Pret) HDip(Dent)(Witwatersrand)	Professor (Head)
Dannheimer, M.F.G., MDent DTE(Pret)	Associate Professor
Janse van Vuuren, P.A., MDent(Pret)	Associate Professor
Terblanche, J. MSc(Odont) DTE(Pret)	Associate Professor
Herbst, D., BSc(UOFS) MChD(Pret) FCD(College of Medicine)	Senior Lecturer
Lewis, S.B., BChD(Pret)	Lecturer
Motha, N.P., BDS(Medunsa)	Lecturer
Oosthuizen, M.P., BChD(Stell)	Lecturer
Steenekamp, J.J., BChD(Pret)	Lecturer

Dental Materials Division

De Wet, F.A., MDent DTE DSc(Odont)(Pret)	Professor (Head)
Brandt, P.D., NHDip(Electr)(Cape Technikon) BChD Dip(Aesth Dent)(Stell)	Lecturer

Centre for Stomatological Research

Botha, S.J., BSc(Hons)(PU for CHE) MSc PhD(Pret)	Associate Professor (Acting Head)
Botha, F.S., BSc(Hons) MSc(PU for CHE) PhD(Pret)	Senior Lecturer

Faculty Administration

Snyman W.D., MChD(Prost) MChD(Comm Dent) PhD DDPH DTE(Pret)	Programme Manager: Education

GENERAL INFORMATION

Admission
Any person who wishes to register at the University for the first time, or register after an interruption of studies, should apply for admission.

- **Undergraduate applications**
  Applications for admission to all undergraduate selection courses close on 30 June of the preceding year.
- **Postgraduate applications**
  The closing date for applications for admission to postgraduate studies is 31 October of the preceding year and prospective students must contact the relevant Head of Department beforehand to make an appointment for an interview.

Selection
A selection procedure takes place prior to admission to all undergraduate courses, with additional requirements for both courses as indicated below.

BChD degree:

(a) Candidates are not allowed to complete their first year of study at another university.
(b) In terms of the selection procedure, candidates must pass both Mathematics and Physical Science at the higher grade with at least a C symbol (60 – 69%), and achieve an M score of 24, in order to be considered for selection and/or admission.
(c) At the conclusion of the selection process, candidates are informed in writing regarding the outcome.
(d) Admission of foreign students is limited to one for the BChD degree. Only applications of candidates from SADC countries are accepted.
(e) Candidates who are not admitted to the first year of study for the BChD degree, may register for the BSc degree course in biological sciences at the University, provided that they comply with the admission requirements for the degree in question. A candidate who completes the first semester of such a degree successfully, may apply for admission to the second semester of BChD I on the grounds of this achievement.

University Diploma in Oral Hygiene:
In terms of the selection procedure, a candidate is required to obtain a pass mark in Biology and/or Physical Science at higher grade, or at least 50% at standard grade, with an M score of 16. At the conclusion of the selection process, candidates are informed in writing regarding the outcome.

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

Medium of instruction
In terms of its language policy, the University has a responsibility towards the promotion of both Afrikaans and English as academic languages, and therefore wants to ensure that its professional courses guarantee at least some minimum levels of the use of both English and Afrikaans. As a result, broad guidelines in this regard have been instituted for

the various academic units. In respect of the Faculty of Health Sciences, the following will apply:

Undergraduate	As from 2002, learning opportunities for large groups of students will be presented in English. Supporting material can be made available in Afrikaans. Instruction in large groups can also be presented parallel through the medium of Afrikaans during the same learning opportunities. Study guides, examination papers and notices are supplied to students in both Afrikaans and English. Instruction in smaller groups as well as individual instruction will take place in the language of preference (Afrikaans or English) of the student group or student, if the lecturer is proficient in the language in question.
Postgraduate	Presentation is done in Afrikaans and/or English, taking into account the student's preferene, but also with due allowance for available and effective utilisation of resources within the University. The language in which dissertation and these will be presented, must be discussed with the study supervisor/promoter or with the faculty at the commencement of studies.

Bursaries and loans
Particulars of bursaries and loans are available on request.

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

Welcoming day and academic information week
Details of the welcoming day to which all parents of new students are cordially invited, and the subsequent academic information week during which all new first-year students **must** be present, are obtainable from the Dean of Students, University of Pretoria 0002.

Prescribed books
Lists of prescribed books are not available. The lecturers concerned will supply information regarding prescribed books to students at the commencement of lectures.

Amendment of regulations and fees
The University retains the right to amend the regulations and to change course fees without prior notification.

Definition of terms

Familiarise yourself with the following terms. They are used generally in all faculties.

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

anti-semester: subject courses that are normally presented only in the first semester of an academic year, but which are repeated in the second semester of the same year, to provide an opportunity for students who did not pass a particular course in the first semester to repeat the course in the same year on an anti-semester basis

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

core module: a subject course that is compulsory in a specific programme or package

credit (or credit value): the number of credits (units) awarded to every subject course and which represents the complexity of and amount of work needed for the subject

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

elective module: a subject course that forms part of a package, and may be followed on an elective basis, provided that enough credits are obtained on the specific year level, as required by the qualification the student has enrolled for

examination mark: the mark a student is awarded in a subject course on the basis of an examination, including practical and clinical examinations where applicable

extended study programme: a study programme for a degree or diploma, which in accordance with the regulations, is completed over a period longer than the normal minimum duration of the particular degree or diploma

final mark: the mark calculated on the basis of the semester/year mark and the examination mark awarded to a student in a particular course, using a formula which is determined from time to time in the regulations for each subject course with the proviso that should no semester/year mark be required in a course, the examination mark serves as the final mark

fundamental module: a subject course that serves as the academic basis of the learning activities for a particular programme or package

GS: a combined mark (semester/year mark plus examination mark) of at least 40% required for admission to a specific prescribed subject course

hours of learning: the notional number of hours a student should spend to master the learning content of a particular subject course or programme. The total number of learning hours for a subject course consists of the time used for lectures, practicals, self study and any other activity required by the programme. Hours of learning for subject courses are calculated on the basis of 40 working hours per week x 28 weeks = 1120 + 80 additional hours for evaluation = 1200. For undergraduate courses, the total number of learning hours per course is calculated according to the formula: number of credits for the course x 10.

level of a course (or year level): an indication of the level of complexity of a subject course (e.g. first, second or a further level), that also implies a certain credit value. The (year) level is indicated by the first digit of the subject course (module) code (thus AFR 352 is a course in Afrikaans at Level 3)

module: see subject course

package: a group of subject courses having a specific context and focus which is chosen by students as a field of specialisation within a programme

package co-ordinator: the individual responsible for the organisation, compilation and teaching of as well as guidance in respect of a particular package

programme manager: the person who is responsible for the overall management, organisation and compilation of a particular programme together with the packages falling under the programme
regulation for admission: includes a provision regarding the selection process
semester/year mark: the mark awarded to a student on the basis of tests, classwork, practical work or any other work which was done in a subject course
subject: a demarcated field of study of which one course or more may be chosen for a degree
subject course: a defined aspect of a course which forms a whole and to which a subject code has been allocated
syllabus: the division of the study material for a specific course
year course: a subject course that extends over one year

REGULATIONS AND CURRICULA

The rules for degrees and diplomas here published are subject to change and may be amended prior to the commencement of the academic year in 2002.

1. Admission to degree study

1.1 General

1.1.1 To register for a first bachelor's degree at the University, a candidate must, in addition to the required Grade 12 exemption certificate, comply with the specific admission requirements for particular subject courses and fields of study as prescribed in the admission regulations and the faculty regulations.

1.1.2 The following persons may also be considered for admission:

(i) A candidate who is in possession of a certificate which is deemed by the University to be equivalent to the required Grade 12 certificate with university exemption.

(ii) A candidate who has successfully completed at least one academic year at another tertiary institution.

(iii) A candidate who passes an entrance examination, which is prescribed by the University from time to time.

Note: A conditional exemption certificate does not grant admission to bachelor's study. However, in certain circumstances some of the faculties do accept a conditional exemption on the basis of mature age. Candidates are advised to contact the faculty administration concerned in this regard.

1.1.3 The Senate may limit the number of students allowed to register for a course, in which case the Faculty concerned may, at its own discretion, select from the students who qualify for admission those who may be admitted.

1.2 Requirements for specific courses

A candidate who has obtained at least 50% in the Grade 12 (matriculation) examination in Mathematics and in Physical Science at higher grade, will be admitted to the course Molecular and Cell Biology (MLB 111), and to a course in the subjects Chemistry and Physics.

2. Admission to diploma study

For admission requirements, see *Diplomas* on page 193.

3. **Language skills (EOT modules)**
All new undergraduate students who wish to register at the University of Pretoria, are expected to write a language skills test. Based on the results of this test, the student could be enrolled in language development courses that have to be passed before the degree will be awarded. In exceptional circumstances these courses may be substituted by other courses as approved by the Dean.

4. **Computer proficiency**
From the year 2000, all faculties are presenting computer training as a compulsory subject. Exemption may be obtained by the completion of a computer proficiency test.

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

6. **Course credits for unregistered students**
There are students who attend lectures, write tests and examinations and in this manner earn "marks", but who have either not registered for courses or have not registered as students at all. These marks will not be communicated to any student before he/she has provided proof of enrolment. A student cannot obtain any credits in a specific academic year for a course "passed" in this manner during a previous academic year and for which he/she was not registered. This arrangement applies even where the student is prepared to pay the tuition fees.

7. **Admission to the examination and pass requirements**
A semester/year mark of at least 40% is required in order to be admitted to the examination in any subject course. Any other requirements for admission to the examinations are set out in the study manuals. Excluding cases where faculty regulations require a higher percentage, a subminimum of 40% is required in the examination in each course. A final mark of at least 50% is required to pass (see also Reg. D.1(b)(i)). The pass mark for essays is at least 50%. The stipulations of Gen. Reg. G.60.2.1.2(a) regarding requirements for dissertations apply *mutatis mutandis* to essays.

7.1 **Subminima in examinations**
Where applicable, the subminima required in examinations appear in the regulations of the degree in question and in the syllabi of the required courses.

7.2 **Examinations**
The examinations for first-semester courses take place in May/June, while all other examinations (second-semester courses and year courses) take place in October/ November. Consult the study manuals for an exposition of the faculty requirements for examinations.

7.3 **Ancillary examinations**
After completion of an examination and before the examination results are published, the examiners may summon a student for an ancillary examination on particular aspects of the work of that course. Details regarding the Faculty requirements for ancillary examinations are published in the various study manuals.

7.4 **Re-marking of examination papers** (also consult Gen.Reg. G.14)
After an examination, departments give feedback to students about the framework used by the examiners during the examination. Departmental heads determine the way in which feedback is given. Students may apply for re-marking of examination scripts after perusal of such scripts and within 14 calendar days after commencement of lectures in the next semester. The prescribed fee has to be paid. The paper will then be re-marked by an examiner appointed by the Head of the Department concerned.

7.5 **Supplementary examinations**

(i) A student may be admitted to a supplementary examination in a subject course (excepting the specific faculty requirements in respect of supplementary examinations in specific blocks of the first to the third year of study for the BChD degree (consult Reg. D.1**(i)**(ii)), if –
  (aa) a final mark of between 40% and 49% has been obtained;
  (bb) a pass mark has been obtained but not the required subminimum of 40% in the examination as a whole; or
  (cc) a pass mark has been obtained but not the required subminimum in subsections of the course.

(ii) A student must obtain a minimum of 50% in the supplementary examination to pass.

(iii) The semester or year mark is taken into account only if a student has not obtained at least 50% in the supplementary examination of a first-semester course at 100-level.

(iv) The highest final percentage that can be awarded to a student in a supplementary examination, is 50%.

DEGREES AND DIPLOMAS CONFERRED IN THE SCHOOL OF DENTISTRY

The following degrees and diplomas are conferred in the School (minimum duration in brackets):

Degrees:

(a) Bachelor of Dentistry – BChD (5 years)
(b) Magister Scientiae (Odontology) – MSc(Odont) (4 semesters part-time)
(c) Master of Dentistry – MChD (4 to 8 years) (indications of special fields of study: consult Reg. D.3)
(d) Philosophiae Doctor – PhD (1 year)
(e) Doctor Scientiae (Odontology) – DSc(Odont)

Diplomas:

(a) University Diploma in Oral Hygiene – Dip(OH) (2 years)
(b) Postgraduate Diploma in Dentistry – Dip(Odont) (2 semesters part-time)
(c) Advanced University Diploma in Oral Hygiene – AdvDip(Ohyg) (2 semesters part-time)

Students who take a course offered by another faculty, must familiarise themselves with the requirements for admission to the subject in question as well as the regulations governing subminima in examinations, supplementary examinations, etc.

I. BACHELOR'S DEGREE

General Regulations G.1 to G.15 are applicable to bachelor's degrees, and apply *mutatis mutandis* to undergraduate diplomas.

D.1 BACHELOR OF DENTISTRY (BChD) (CODE 11130001)

N.B. A selection of candidates takes place prior to admission.

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

(a) Duration
Five years of full-time study.

(b) Examinations

(i) **Subminimum**
A subminimum of 40% is required in the written section of an examination, with a subminimum of 50% in the clinical section of a course. At the beginning of the academic year, the Head of Department informs the students of the required subminima in subsections of the courses offered by the department in question. This information is also published in the study manual.

(ii) **Year marks and semester marks**
A student obtains credit for practical and clinical work, for tests and also for assignments completed during the course of an academic year.

(iii) A student who repeats a year of study and who must acquire certificates of satisfactory preparation in failed courses, must comply with all the requirements set by the Head of Department, and also obtain a year mark of at least 50% in the courses in question.

(c) Provisions regarding promotion courses
The stipulations of General Regulation G.10.1 concerning satisfactory preparation and progress also apply to courses where a promotion test is required. Supplementary examination marks and pass marks in promotion courses are awarded according to the stipulations of General Reg. G.12: Provided that

(i) promotion is based on class tests throughout the year and a minimum of 50% is required to be promoted;

(ii) students repeating a year of study retain credit for examination courses passed, unless determined otherwise, but that they acquire a certificate of satisfactory preparation and progress in all the promotion courses, i.e. a minimum of 50% in the year work;

(iii) a student who has obtained a year mark of less than 50% be admitted by the Examination Commission to a supplementary promotion test.

(d) Selected first-year students who fail first-year courses

(i) Selected first-year students, who have passed a sufficient number of the pre-

scribed first-semester courses at 100 level will, in accordance with the stipulations of General Regulation G.3, automatically be admitted to the second semester of the first year of study. During the second semester, the students will be admitted to an examination on an anti-semester basis in the first-semester courses still outstanding, if this can be accommodated in the timetable.

(ii) In the School of Dentistry, a student cannot repeat more semester courses than the equivalent of eight lectures per week on an anti-semester basis in the second semester.

(iii) A student who has failed one or more of the prescribed first-year courses and who will consequently not be admitted to the second year of study, forfeits his or her selection and must apply again for selection for the first year of study.

(iv) A student who has forfeited his or her selection may continue with a BSc degree with subjects in the biological sciences, but success in these courses will not necessarily guarantee selection with resultant readmission to the School of Dentistry.

(e) Students who fail some blocks of a year of study (and thus the year of study) (see also Reg D.1(i)(iii))

(i) Students must pass all the blocks of a particular year of study in order to be admitted to the next year of study.

(ii) Students who repeat a year of study, must register for all the blocks of the particular year of study, with the exception of the special activities blocks, which need not be repeated if passed already.

(iii) All failed blocks (including special activities blocks) must be repeated in full and passed in order to obtain credit for the blocks in question. Full class fees are payable in this instance.

(iv) A satisfactory attendance mark (i.e., a block mark of at least 50%) must be obtained in the blocks already passed in the previous year (with the exception of the special activities blocks). Reduced class fees in terms of University policy will be payable for these blocks. If a student does not obtain the required block mark of at least 50%, he or she will again be required to pass an examination in respect of that particular block.

(v) A student following a BChD degree will only be allowed two opportunities to repeat a year of study.

(vi) A student who does not comply with the above-mentioned requirements but nevertheless wishes to be admitted to the School, may request the Dean in writing to consider his or her application for readmission in accordance with the prescribed procedure.

(f) BChD programme: five-year curriculum

Total number of credits: 1012,3

First year		
Subject course (Module)	**Subject code**	**Credits**
General Physics 131	PHY 131	24,7
People and their Environment 112	MGW 112	10,5
Molecular and Cell Biology 111	MLB 111	20,3
Medical Terminology 180	MTL 180	3,2
Chemistry 151	CMY 151	24,2
Science and World Views 155	FIL 155	4,9

Orientation 120	GNK 120	14,1
Molecule to Organism 120	BOK 120	54,3
People and their Environment 127	GNK 127	25,5

Second year		
Subject course (Module)	**Subject code**	**Credits**
Homeostasis 280	BOK 280	51,4
Anatomy (Dissection) 288	GNK 288	14,9
People and their Environment 284	BOK 284	15,5
Pathological Conditions 281	BOK 281	42,0
Introduction to Clinical Medicine 283	GNK 283	8,0
Basic Emergency Care 286	GNK 286	2,0
Clinical Oral Medicine 200	KMH 200	8,0

Third year		
Subject course (Module)	**Subject code**	**Credits**
Heart and Blood-vessels 381	GNK 381	35,8
Lungs and Chest 383	GNK 383	25,6
Practice Management 370	PRS 370	10,5
Odontology 370	ODO 370	60,4
Periodontology 370	PDL 370	6,7
Dento-facial Anomalies 370	DFA 370	10,9
Oro-facial Surgery 370	OFC 370	15,7
Prosthetics 370	PTK 370	32,3
Radiography 370	RAD 370	21,9
Applied Human Systems 370	TMZ 370	23,4

Fourth year		
Subject course (Module)	**Subject-code**	**Credits**
Practice Management 470	PRS 470	21,0
Odontology 470	ODO 470	62,1
Maxillo-Facial Pathology 470	MFP 470	21,4
Periodontology 470	PDL 470	18,0
Dento-Facial Anomalies 470	DFA 470	22,4
Oro-Facial Surgery 470	OFC 470	33,7
Prosthetics 470	PTK 470	25,9
Community as Patient 470	GAP 470	3,2
Applied Human Systems 470	TMZ 470	14,5
Comprehensive Patient Care 470	OPS 470	16,0

Fifth year		
Subject course (Module)	**Subject code**	**Credits**
Practice Management 570	PRS 570	21,0
Odontology 570	ODO 570	46,9
Maxillo-Facial Pathology 570	MFP 570	21,4
Periodontology 570	PDL 570	16,7
Dento-Facial Anomalies 570	DFA 570	24,6
Oro-Facial Surgery 570	OFC 570	19,6
Prosthetics 570	PTK 570	27,2
Community as Patient 570	GAP 570	10,0
Comprehensive Patient Care 570	OPS 570	20,0

(g) First year of study

(i) **Curriculum**

Explanation of codes

- According to the rules of the School of Dentistry, courses marked with an asterisk (*) must be passed beforehand or taken and passed simultaneously with the courses in the first column.
- A course appearing in the second column without any symbols, must be passed before the subject course in the first column may be taken.
- Subject to the stipulations of Reg. D.1(d)(i) regarding the passing of an adequate number of first-year courses, the symbol GS after a subject course in the second column, indicates that a combined mark of at least 40% has to be obtained for admission to the course mentioned in the first column.

First Semester

Examination courses			**Prerequisites**
(1)	CMY 151	First course in Chemistry 151	See Par 1.2
(2)	FIL 155	Science and World Views 155	
(3)	MGW 112	People and their Environment 112	
(4)	MLB 111	Molecular and Cell Biology 111	See Par 1.2
(5)	PHY 131	General Physics 131	See Par 1.2
(6)	MTL 180	Medical Terminology 180	

The first semester of the year course PHY 181 is the same as PHY 131 mentioned above.

Second Semester

Attendance courses			
(7)	GNK 120	Orientation 120	BOK 120*,GNK 126*
Examination courses			
(8)	BOK 120	Molecule to Organism 120	CMY 151 GS PHY 131 GS MLB 111 GS MTL 180 GS GNK 120* GNK 127*
(9)	GNK 127	People and their Environment 127	GNK 120* BOK 120*, MGW 112, FIL 151

(ii) **Block examinations and supplementary examinations**

Consult Reg. D.1**(i)**(ii).

(iii) **Failed candidates**

1. Students who take the allowable number of first-semester subjects on an anti-semester basis in the second semester, have to write a second examination in those subjects and pass it before commencing with the

second year of study. Should a student then pass the particular subjects, the fact that these subjects were failed in the first semester will not influence admission to BChD II. This concession is only valid if –

(i) an anti-semester course is presented in the particular subject;
(ii) the student qualifies for the anti-semester course according to the rules of the department involved;
(iii) the anti-semester course(s) can fit in with other lectures, discussion groups, class tests, examinations or any other activity of the second semester of BChD I.

2. A BChD I student who fails first-semester courses which equal a total of more than eight lectures per week, fails the semester and cannot progress to the second semester of BChD I.
3. The second-semester courses of BChD I are not presented on an anti-semester basis.

(h) Admission to the second year of study

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

(i) Second year of study

(i) **Curriculum**

First semester

Examination courses

(1) BOK 280 Homeostasis 280
(2) GNK 288 Anatomy (Dissection) 288
(3) BOK 284 People and their Environment 284

Second semester

Examination course

(4) BOK 281 Pathological Conditions and Infectious Diseases 281

Promotion course

(5) GNK 286 Basic Emergency Care 286

Attendance courses

(6) KMH 200 Clinical Oral Medicine 200
(7) GNK 283 Introduction to Clinical Medicine 283

(ii) **Block examinations and supplementary examinations**

Students are informed by means of the study guide of a particular block, of the minimum requirements for acquiring the block mark for the particular block; the block examination with which a specific block is concluded at the end of the year, and the equation which is used in the calculation of the block mark.

If 60% or more is obtained in a particular block, the mark will be validated **as the examination mark at the end of the year**, and the student will be promoted in the block examination in question, and will therefore be exempted from the examination.

A student who obtains 40% – 49% as the calculated final block mark, will be admitted to a supplementary examination in January of the following year. A minimum of 50% is required to pass in a supplementary examination.

(iii) **Failed candidates**
A student who has failed BChD II, will again be subjected to selection with a view to readmission to the second year of study. Also consult Reg. D.1(e) concerning students who fail certain blocks of a year (and therefore the year of study).

(j) Admission to the third year of study
A student must pass all the courses of the second year of study for admission to the third year of study.

(k) Third year of study

(i) **Curriculum**
Examination courses
(1) GNK 381 Heart and Blood-vessels 381
(2) GNK 383 Lungs and Chest 383
(3) TMZ 370 Applied Human Systems 370
Promotion courses
(4) PRS 370 Practice Management 370
(5) ODO 370 Odontology 370
(6) PDL 370 Periodontology 370
(7) DFA 370 Dento-Facial Anomalies 370
(8) OFC 370 Oro-Facial Surgery 370
(9) PTK 370 Prosthetics 370
(10) RAD 370 Radiography 370

(ii) **Ancillary block tests and supplementary examinations**
Concerning the examination courses (GNK 381) Heart and Blood-vessels 381 (Block 6B) and (GNK 383) Lungs and Chest (Block 7): In accordance with Reg.D.1(i)(ii).

(iii) **Supplementary examinations in promotion courses**
Consult Reg. D.1(c).

(l) Admission to the fourth year of study
A student must pass all the courses of the third year of study for admission to the fourth year of study.

(m) Fourth year of study

(i) **Curriculum**
Examination course
(1) TMZ 470 Applied Human Systems 470
Promotion courses
(2) PRS 470 Practice Management 470
(3) ODO 470 Odontology 470
(4) PDL 470 Periodontology 470
(5) DFA 470 Dento-Facial Anomalies 470
(6) OFC 470 Oro-Facial Surgery 470
(7) PTK 470 Prosthetics 470

(8)	MFP 470	Maxillo-Facial Pathology 470
(9)	OPS 470	Comprehensive Patient Care 470
(10)	GAP 470	Community as Patient 470

(ii) **Supplementary examinations**

A student who obtains between 40 – 49% in examination and promotion courses, is granted admission to supplementary examinations. Should he or she fail this supplementary examination/promotion test, the fourth year has to be repeated. When a year of study has to be repeated, the student maintains credit for the examination courses passed. The promotion courses have to be repeated and passed. Exemption from classes and learning activities in these courses will not be granted.

(n) Admission to fifth year of study

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

(o) Fifth year of study

(i) **Curriculum**

Examination courses

(1)	PRS 570	Practice Management 570
(2)	ODO 570	Odontology 570
(3)	PDL 570	Periodontology 570
(4)	DFA 570	Dento-Facial Anomalies 570
(5)	OFC 570	Oro-Facial Surgery 570
(6)	PTK 570	Prosthetics 570
(7)	MFP 570	Maxillo-Facial Pathology 570
(8)	OPS 570	Comprehensive Patient Care 570
(9)	GAP 570	Community as Patient 570

(ii) **Examinations**

(aa) A student who has failed the final examination in any subject course, will be required to repeat that course. The period which must elapse before the student may again report for an examination, is determined by the Dean, on the recommendation of the Examination Commission. A student who repeats a course, must obtain certificates of satisfactory preparation in all the other courses that he/she has passed.

(bb) A student who fails in the clinical section of a course, fails the examination in that course.

(p) Pass with distinction

The degree is conferred with distinction on a student who has obtained at least 65% in all the examination courses of the last year of study, with an average of at least 75% for all the courses.

II. MASTER'S DEGREES

D.2 MASTER OF SCIENCE (ODONTOLOGY) [MSc(Odont)] (CODE 11252001)

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

(a) Option (i): Main Field of Study : General

(a) Admission requirements
Subject to the stipulations of General Regulations G.9 and G.30, the BChD degree or an equivalent qualification is required, plus the postgraduate Diploma in Dentistry (DipOdont). The candidate may be exempted from the latter qualification at the discretion of the Head of the Department concerned and with the Dean's approval.

(b) Duration
At least four semesters of part-time study.

(c) Curriculum
(i) **Attendance course**
NMK 800 Research Methodology (including Statistics) 800
(ii) **An examination (Code ODO 800)** and **Dissertation (Code ODO 890) (Field of Study code 11252001)** as follows:
(aa) An examination on an approved programme of advanced study and tuition in an applicable area of Dentistry.
(bb) A dissertation related to the major subject. In the final evaluation, the dissertation and the examination mentioned in (aa) will carry equal weight. A minimum pass mark of 50% is required for the dissertation, with a minimum of 50% as pass mark in the examination.

(b) Option (ii) : **Main Field of Study: Oral Surgery (Field of Study Code: 11252004)**

(a) Admission requirements
Subject to the stipulations of General Regulations G.9 and G.30, the BChD degree is required, as well as the Postgraduate Diploma in Dentistry (DipOdont) with main field of study Oral Surgery (Oral Surgery with a minimum pass mark of 65%).

(b) Duration
A minimum of four semesters part-time study. Studies must be completed within six semesters and Part I and II of the course must extend over a maximum of four semesters.

(c) Curriculum

Part I:	Basic subjects (prerequisite for Part II)
CBA 800	Anatomy and Principles of Surgery 800
CBR 800	Maxillo-Facial Radiology and Principles of Surgery 800

Part II: Clinical Training (Code KGM 891)
Maxillo-Facial and Oral Surgery: 280 hours of clinical or theme-related practical training. Students who hold the Postgraduate Diploma in Dentistry (DipOdont) with Oral Surgery as the main field of study, may apply in writing for credit of the basic subject, Clinical Training, and the written examination, provided that a minimum of 60% has been obtained in the basic and major subjects.

Attendance courses
NMK 800 Research Methodology 800
BPB 800 Principles of Practice Management 800

Part III: Major subject (MCH 800) Oral Surgery 800
Part III comprises (i) an examination in Maxillo-Facial and Oral Surgery; (ii) five papers on a specific topic in Maxillo-Facial and Oral Surgery; and (iii) a dissertation related to the topic mentioned in (ii) above.

(c) Option (iii): Main Field of Study: Maxillo-Facial and Oral Radiology (Field of Study Code: 11252005)

(a) Admission requirements
As for Option (i).

(b) Duration
As for Option (i).

(c) Curriculum
Attendance course:
NMK 800 Research Methodology including Statistics
Basic Subject:
MPG 806 Oral Pathology
Major Subject:
RON 801 Röntgenology
A dissertation related to the major subject.

(d) Examination and supplementary examination
The stipulations of the General Regulations apply to all the above options.

(e) Degree with distinction
Regarding Option (i): A student must obtain a minimum of 75% in both the examination and the dissertation.
Regarding Option (ii): A student must obtain a minimum of 65% in Parts I and II, and a minimum of 75% in each of the subdivisions of Part III of the course.
Regarding Option (iii): A student must obtain a minimum of 65% in the basic subject and at least 75% in the major subject of the course.

D.3 MASTER OF DENTISTRY (MChD)

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

(a) The MChD degree is conferred in the following fields of study:
(i) Maxillo-Facial and Oral Surgery.
(ii) Orthodontics.
(iii) Oral Pathology.
(iv) Periodontics and Oral Medicine.
(v) Prosthodontics.
(vi) Community Dentistry.

(b) Admission requirements

1. Each candidate for admission to the study for the MChD degree must:
   (i) either hold the BChD degree of the University of Pretoria or an equivalent qualification, or be admitted to master's degree studies in terms of the stipulations of General Regulations G.1.3 and G.62;
   (ii) be registered as a dentist with the Health Professions Council of South Africa; and
   (iii) have held a full-time training position/registrarship successfully for four or eight years, depending on the specific requirements of the various fields of study, at a training institution approved by the University.

2. For the MChD degree (endorsement Maxillo-Facial Surgery – (Medical or Dental)(Codes 11250091 and 11250011), a candidate must:
   (i) subject to the stipulations of General Reg. G.1.3 and G.62, have obtained the BChD and/or MBChB degree or equivalent qualification at least one year previously, as well as the DipOdont (Oral Surgery), with a minimum pass mark of 65% in the basic and the major subject;
   (ii) be registered as a dentist and/or physician with the Health Professions Council of South Africa; and
   (iii) be appointed in a full-time registrarship for four years (for a candidate with both a BChD and a MBChB degree), eight years (for a candidate with a BChD degree), seven years (for a candidate with a MBChB degree), or five years (for MChD (Chir.Max.Fac.-Dent)).
   (iv) A candidate who has obtained a BChD degree at the University of Pretoria (or equivalent at any other university) up to July 2001, must enrol for the MChD (Chir.Max.Fac.-Dent) course. A candidate who has obtained a BChD degree at the University of Pretoria after October 2001, should preferably enter for the MChD (Chir.Max.Fac.-Med) course.

(c) CURRICULA

(1) Maxillo-Facial and Oral Surgery

(1.1) Maxillo-Facial and Oral Surgery (endorsement Surg. Max. Fac. - Med)

Total number of credits: 1680

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

Duration: Four years of full-time study.

First year of study

Major subject:	KGM 802	Maxillo-Facial and Oral Surgery 802
Basic subjects:	(Prerequisites for second year)	
	ANA 870	Anatomy 870
	FSG 806	Physiology 806
	APA 808	General Pathology 808
	FAR 809	Pharmacology 809

Second year of study

Major subject:	KGM 802	Maxillo-Facial and Oral Surgery 802
Subsidiary subject:	BVC 806	Principles of Surgery 806

Third year of study

Major subject	KGM 802	Maxillo-Facial and Oral Surgery 802
Subsidiary subject:	MPG 800	Oral Pathology 800
Attendance course:	KGR 801	Maxillo-Facial Röntgenology 801

Fourth year of study

Major subject:	KGM 802	Maxillo-Facial and Oral Surgery 802
Subsidiary subject:	MPG 800	Oral Pathology 800

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

Duration: Seven years of full-time study

First year of study
As in (aa) above.

Second year of study
Major subject: KGM 802 Maxillo-Facial and Oral Surgery 802
The student must also register for the BChD degree and apply for registration as a student in Dentistry with the Health Professions Council of South Africa.

BChD III (Code 11130001)

As for BChD III with exemption from GNK 381, GNK 383 and TMZ 370

Third year of study
Major subject: KGM 802 Maxillo-Facial and Oral Surgery 802

BChD IV (Code 11130001)

As for BChD IV.

Fourth year of study
Major subject: KGM 802 Maxillo-Facial and Oral Surgery 802

BChD V (Code 11130001)

As for BChD V.

Fifth year of study

Major subject:	KGM 802	Maxillo-Facial and Oral Surgery 802
Examination subject:	BVC 806	Principles of Surgery 806

Sixth year of study

Major subject:	KGM 802	Maxillo-Facial and Oral Surgery 802
Subsidiary subject:	MPG 800	Oral Pathology 800
Attendance course:	KGR 801	Maxillo-Facial Röntgenology 801

Seventh year of study

Major subject:	KGM 802	Maxillo-Facial and Oral Surgery 802
Subsidiary subject:	MPG 800	Oral Pathology 800

(cc) For students who hold the BChD degree (Code 11250093)
This option is only open to candidates who obtained the BChD degree at the University of Pretoria since October 2001.

Duration: Eight years of full-time study.

First year of study
As in (aa) above.

Second year of study

Major subject:	KGM 802	Maxillo-Facial and Oral Surgery 802

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

MBChB III (Code 10130001)

As for MBChB III.

Third year of study

Major subject:	KGM 802	Maxillo-Facial and Oral Surgery 802

MBChB IV (Code 10130001)

As for MBChB IV.

Fourth year of study

Major subject:	KGM 802	Maxillo-Facial and Oral Surgery 802

MBChB V (Code 10130001)

As for MBChB V.

Fifth year of study
Major subject: KGM 802 Maxillo-Facial and Oral Surgery 802

MBChB VI (Code 10130001)

As for MBChB VI.

Sixth year of study
Major subject: KGM 802 Maxillo-Facial and Oral Surgery 802
Subsidiary subject: BVC 806 Principles of Surgery 806

Seventh year of study
Major subject: KGM 802 Maxillo-Facial and Oral Surgery 802
Subsidiary subject: MPG 800 Oral Pathology 800
Attendance course: KGR 801 Maxillo-Facial Röntgenology 801

Eighth year of study
Major subject: KGM 802 Maxillo-Facial and Oral Surgery 802
Subsidiary subject: MPG 800 Oral Pathology 800

(1.2) Maxillo-Facial and Oral Surgery (endorsement Surg.Max.Fac.-Dent) (Code 11250011)

Total number of credits: 1680

Duration: Five years of full-time study.

First year of study
Major subject:
KGM 802 Maxillo-Facial and Oral Surgery 802
Basic subjects: (Prerequisites for the second year of study)
ANA 870 Anatomy 870
FSG 806 Physiology 806
APA 808 General Pathology 808
FAR 809 Pharmacology 809

Second year of study
Major subject:
KGM 802 Maxillo-Facial and Oral Surgery 802
Subsidiary subject:
BVC 807 Principles of Surgery 807

Third and fourth year of study
Major subject:
KGM 802 Maxillo-Facial and Oral Surgery 802
Subsidiary subject:
MPG 800 Oral Pathology 800
Attendance courses:
KGR 801 Maxillo-Facial Röntgenology 801
NMK 800 Research Methodology 800

Fifth year of study (Research)
Major subject:
KGM 802 Maxillo-Facial and Oral Surgery 802

(2) Orthodontics (Code 11250021)

Total number of credits: 1248

Major subject:
ORD 803 Orthodontics 803
Basic subjects:
ANA 871 Anatomy 871
FSG 806 Physiology 806
Subsidiary subject:
MPG 801 Oral Pathology 801
Attendance courses:
RON 800 Röntgenology 800
KGM 800 Maxillo-Facial and Oral Surgery 800
PRD 801 Prosthodontics 801
SKT 800 Speech Therapy 800
MGN 802 Human Genetics 802
NMK 800 Research Methodology 800
PMG 801 Periodontics and Oral Medicine 801
PDD 801 Pedodontics 801

Duration: Four years of full-time study

(3) Oral Pathology (Code 11250031)

Total number of credits: 1344

Major subject:
MPG 802 Oral Pathology 802
Basic subjects:
ANA 872 Anatomy 872
ANP 808 Anatomical Pathology 808
FSG 806 Physiology 806
Attendance courses:
RON 800 Röntgenology 800
PMG 801 Periodontics and Oral Medicine 801
NMK 800 Research Methodology 800

Duration: Four years of full-time study.

(4) Periodontics (Code 11250041)

Total number of credits: 1344

Major subject:
PMG 802 Periodontics and Oral Medicine 802
Basic subjects:
ANA 873 Anatomy 873
FSG 806 Physiology 806
Subsidiary subjects:
MPG 803 Oral Pathology 803
MMB 800 Oral Microbiology 800
PRD 802 Prosthodontics 802
Attendance courses:
ORD 800 Orthodontics 800
NMK 800 Research Methodology 800
KGM 801 Maxillo-Facial and Oral Surgery 801
SLK 808 Psychology 808

Duration: Four years of full-time study.

(5) Prosthodontics (Code 11250081)

Total number of credits: 1344

Major subject:
PRD 803 Prosthodontics 803
Basic subjects:
ANA 874 Anatomy 874
FSG 806 Physiology 806
MDB 800 Oral Biology 800

Subsidiary subjects:
MPG 804 Oral Pathology 804
PMG 803 Periodontics and Oral Medicine 803
Attendance courses:
KGM 803 Maxillo-Facial and Oral Surgery 803
ORD 800 Orthodontics 800
RAD 870 Radiology 870
KMP 871 Communication Pathology 871
NMK 800 Research Methodology 800

Duration: Four years of full-time study.

(6) Community Dentistry (Code 11250071)

Total number of credits: 1056

Major subject:
GTH 800 Community Dentistry 800
Basic subject:
TMP 801 Applied Oral Pathology 801
Attendance course:
NMK 800 Research Methodology 800

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

Practical Training
Practical training is provided at recognised institutions.

Duration: Four years of full-time study.

(d) Examinations (also consult General Reg. G.40)

1. (i) Examinations in the basic and subsidiary subjects (with the exception of MFOS):
(aa) A student must pass these subjects prior to admission to the examination in the major subject. A minimum of at least 50% is required to pass.
(bb) Examinations in the basic and subsidiary subjects must be passed before the end of the third year of study, or at a time as determined by the Head of Department.

(ii) **Examination in the major subject:**
Admission to the examination in the major subject is determined by the Head of Department.

(iii) If a student fails one or more of the basic subjects, subsidiary subjects or the major subject, the Head of Department may recommend to the Examination Commission, that he or she be admitted to a supplementary examination. Supplementary examinations may only take place after a minimum period of six months has elapsed since the examination in which the student failed.
N.B:
(aa) In view of the fact that a postgraduate student may repeat an examination in any subject only once, a student who fails a supplementary examination will have to discontinue his/her studies. In the event, a student who has been holding a registrar position, will have to vacate the position as soon as possible after one calendar month's notice to the University of Pretoria and/or other recognised training institution, where applicable.
(bb) If a student is admitted to a supplementary examination in a major subject, the Head of Department will determine whether he/she has to vacate the registrarship at the end of the training period, or immediately after the supplementary examination.

(iv) **Subminimum**: In order to pass the major subject a student must obtain a subminimum of 50% in all the sections of the examination, with a final mark of at least 50%.

(v) The stipulations of General Regulation G.10.4 are applicable with regard to attendance courses.
Please note: The attendance courses in Prosthodontics consist of two parts, i.e. Prosthetics and Restorative Dentistry.

(vi) In addition to the stipulations already mentioned, a dissertation on a topic related to the major subject must be submitted. In order to pass in the final examination, a pass mark must also be obtained for the dissertation.

(vii) An MChD student, who has obtained an aggregate of at least 75% with the first attempt in both his major subject and the dissertation, will receive the degree with distinction.

2. MChD degree (endorsem. Surg.Max.Fac.-Med and Surg.Max.Fac.-Dent)

(i) **Examination in the basic subjects**
A student must pass all the basic subjects (Anatomy [with Embryology], Physiology, General Pathology and Pharmacology) before he or she may commence with the second year. A minimum pass mark of 50% is required in the examination. (The minimum pass mark in all cases is 50%.)

(ii) **Examination in the subsidiary subjects**

(aa) For the endorsement Maxillo-Facial Surgery-Medicus, a student has to pass Principles of Surgery in the year of study as indicated, before he or she may continue the course.

(bb) A student has to pass Oral Pathology prior to the examination in his or her major subject.

(iii) If a student fails any of the basic subjects, or the subsidiary subjects Principles of Surgery or Oral Pathology, the Head of Department may recommend that he or she immediately be admitted to a supplementary examination.

(iv) If a student fails his or her major subject, the Dean may, on the recommendation of the Head of Department, approve that he or she be admitted to a supplementary examination, but only after six months have elapsed since the original examination in which he or she failed.

(v) In the light of the fact that a postgraduate student may repeat an examination in any subject only once, a student who fails a supplementary examination, will have to discontinue his or her studies.

(vi) If a student has been admitted to a supplementary examination in the major subject, the Head of Department will determine whether he or she should vacate the registrarship at the end of the training period or immediately after the supplementary examination.

(vii) **Subminimum**: A student must obtain a subminimum of 60% in the clinical section (operation and short cases) of the examination, with a subminimum of 50% in all the other sections of the examination. He or she must also comply with the requirements regarding the number of operation procedures performed, as required by the Head of Department. A final mark of 50% is required.

(viii) In addition to the stipulations already mentioned, the student must submit and pass a minor dissertation (endorsement Maxillo-Facial Surgery-Med) or a dissertation (endorsement Maxillo-Facial Surgery-Dent), on an approved

topic related to the major subject. A complete record of operations must also be submitted.

(ix) **Pass with distinction:** A student who obtains at least 60% in the basic and the subsidiary subjects, and a final mark of at least 75% with the first attempt in the major subject, qualifies for a degree with distinction.

(e) Exemptions

Exemption by virtue of comparable training and/or experience in terms of the requirements of Reg. D.3 (c) and (d), may be granted by the Dean, on the recommendation of the Head of Department, with the proviso that exemption from the examination in the major subject may not be granted.

Please note: The regulations of the Health Professions Council of South Africa, as published in *Government Gazette* No. 4631 of 11 January 1991 – Notice No. R.40 (as amended), will be used as a criterion in determining the period of exemption.

III. DOCTORATES

D.4 PHILOSOPHIAE DOCTOR (PhD) (CODE 11261001)

Consult General Regulations G.45 to G.55.

(a) Admission requirement

Subject to the stipulations of General Regulations G.1.3 and G.62, a candidate will only be admitted to doctoral study, if he or she holds a master's degree. If Maxillo-Facial and Oral Surgery is chosen as main field of study, a minimum pass mark of 65% in either MSc(Odont), or MChD(Maxillo-Facial and Oral Surgery), or an equivalent qualification will be required.

(b) Curriculum

Total number of credits: 270

The degree PhD is conferred by virtue of a thesis, with the proviso that the Faculty Board, on the recommendation of the examination panel, may require an oral examination which deals with the topic of the thesis.

D.5 DOCTOR SCIENTIAE (ODONTOLOGY) DSc(Odont) (CODE 11260002)

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

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

IV. DIPLOMAS

D.6 UNIVERSITY DIPLOMA IN ORAL HYGIENE [Dip(OH)] (CODE 11120012)

Consult General Regulation G.1.3 and G.63.

(a) Admission requirements

A Grade 12 certificate with exemption, with Biology and/or Physical Science passed at higher grade, or at least 50% at standard grade, and an M score of 16 are required.

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

(b) Nature and Duration of course

Two years of full-time study.

(c) Curriculum

(i) **First year of study**

Examination subjects

(1)	MBE 100	Human Biology 170
(2)	ODO 170	Odontology 170
(3)	PDL 170	Periodontology 170
(4)	DFA 170	Dento-Facial Anomalies 170

Promotion courses

(5)	VKM 170	Preventive Oral Health 170
(6)	GAP 170	Community as Patient 170
(7)	RAD 170	Radiography 170
(8)	OFC 170	Oro-Facial Surgery 170

Attendance course

(9)	NHS 170	First Aid 170

(ii) **Second year of study**

Examination subjects

(1)	MFP 270	Maxillo-Facial Pathology 270
(2)	VKM 270	Preventive Oral Health 270
(3)	PRS 270	Business Management 270
(4)	GAP 270	Community as Patient 270
(5)	RAD 270	Radiography 270
(6)	PSB 270	Patients with Special Needs 270
(7)	OFC 270	Oro-Facial Surgery

(d) Admission to the second year of study

(i) To be admitted to the second year of study, a student must pass in all the first-year examination courses.

(ii) A student who fails a maximum of two examination courses in the first year of study, may be admitted to a supplementary examination in the course(s).

A student who has not been admitted to the second year of study, must acquire certificates of satisfactory preparation in courses in which a year

mark of 60% or more was obtained the previous year, and must repeat all the courses in which less than 60% was obtained.

(iii) A student, who fails the first year of study, must apply for readmission to the diploma course.

(iv) A pass mark of at least 70% is required in the attendance course.

(v) A pass mark of at least 70% is required in the promotion course, Preventive Oral Health.

(e) Examinations of the second year of study

(i) A subminimum of 50% is required in the examination subjects, with a final mark of at least 50% to pass.

(ii) A pass mark of at least 70% is required in Preventive Oral Health.

(iii) A student who fails one or more of the courses of the final year, must repeat those courses in the ensuing semester, with an examination at the end of the semester. In courses that were passed, only practical and clinical work will be required.

(iv) The requirement as stipulated in par. (e)(i) above will apply to students who, after repeating a semester, again fail some of the courses.

(f) Diploma with distinction

The Diploma is awarded with distinction to a student who obtains an average of at least 75% in the examination subjects of the second year of study, and at least 65% in all the examination subjects of the final year of study.

D.7 POSTGRADUATE DIPLOMA IN DENTISTRY (DIP Odont) (CODE 11220001)

(a) Admission requirements

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

For the main field of study Oral Surgery, a candidate must be in possession of the BChD degree or an equivalent qualification with at least 65% in the final examination in Maxillo-Facial and Oral Surgery.

(b) Duration

At least two semesters. The contact time in the major field of study is determined by the Head of the Department concerned and approved by the Dean. It includes systematic tuition as well as clinical/practical assignments.

(c) Curriculum

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

DAG 700	Diagnostics 700
MPG 700	Oral Pathology 700
END 700	Endodontics 700
ORD 700	Orthodontics 700
FOT 700	Forensic Odontology 700
PDD 700	Pedodontics 700
MCH 700	Oral Surgery 700
PDL 700	Periodontology 700

HTH 700 Restorative Dentistry 700
PTK 700 Prosthetics 700
MGK 700 Oral Medicine 700
RON 700 Röntgenology 700
MMB 700 Oral Microbiology 700
VTH 700 Preventive Dentistry 700
or another subject course as determined by the Head of the Department concerned and approved by the Dean.

(ii) **Basic subject**
MDB 710 Oral Biology 710, or
CBA 710 Anatomy and Principles of Surgery 710, or
CBR 710 Maxillo-Facial Radiology and Principles of Surgery 710
or any other subject course as determined by the department concerned and approved by the Dean.

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

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

D.8 ADVANCED UNIVERSITY DIPLOMA IN ORAL HYGIENE (AdvDipOHyg) (CODE 11120013)

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

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

(c) Curriculum
The course is integrated with and planned around one or more of the dental disciplines or any other topic as agreed on in consultation with the head(s) of department(s) concerned and approved by the Dean.

(i) **Basic subject**
The basic subject is determined by the Head of Department and approved by the Dean.

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

GTH 702	Community Dentistry 702
PRN 701	Periodontics 701
ORD 701	Orthodontics 701
KGM 701	Maxillo-Facial and Oral Surgery 701
PRD 701	Prosthodontics 701
MPG 702	Oral Pathology 702

or any other subject course as determined by the Head of Department and approved by the Dean.

(d) Examinations

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

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

(e) Diploma with distinction

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

SYLLABI

SYLLABI FOR THE BChD DEGREE (1st year of study)

YEAR 1 : SEMESTER 1

(CMY 151) First course in Chemistry 151 (4 lectures and 1 x 3-hour practical or model building session per week)
Theory: Introduction to General Chemistry: Measurement in Chemistry; Matter and energy; Atomic theory and the Periodic Table; Chemical compounds and chemical bonds, Quantitative relationships in chemical reactions; States of matter and the Kinetic Theory; Solutions and colloids; Acids, bases and ionic compounds; Chemical equilibria. Introduction to Organic Chemistry: Chemical bonding in organic compounds; Nature, physical properties and nomenclature of simple organic molecules; Isomerism; Chemical properties of alkanes and cycloalkanes, alkenes, alcohols, aldehydes and ketones, carboxylic acids and esters, amines and amides; Carbohydrates; Proteins; and Lipids.
Practical.

(PHY 131) General Physics 131 (4 lectures, 1 practical class per week.)
Course is equivalent to the first semester of PHY 181.
Semester 1: Units, vectors, one-dimensional kinematics, dynamics, work, equilibrium, sound, fluids, heat, electric potential, capacitance, optics, radio-activity.
Semester 2: Two-dimensional kinematics, rotation movements, vibrations and waves, Gauss' law, circuits, magnetism, radiation damage.

(MLB 111) Molecular and Cell Biology 111 (4 lectures and 1 practical class per week)
Introductory study of the ultra structure, function and composition of representative cells and cell components. General principles of cell metabolism, molecular genetics, cell growth, cell division and cell differentiation.

(MGW 112) People and their Environment 112 (4 lectures per week**)**
This course comprises basic psychology and sociology applicable to Dentistry. Basic psychiatric concepts are also taught.

(FIL 155) Science and World Views 155 (1 lecture per week)
World Views in ancient Greece. Socrates, Plato – the founder of Western thought. Aristotle – the foundation of a new tradition. Leonardo da Vinci – the foundation of modern science. The wonder years of the 17th century – the flourishing of the sciences and philosophy. The rise of mechanisation. A drastic turn in man's vision – the rise of Psychology. How the theory of relativity changed our view of the cosmos. Quantum theory and its implications for the modern world view. The biological sciences and the secrets of life. Ethics. Bio-ethics. Quality of life. Ethical theory, Applied Ethics. Human rights, choices and ethical codes. Science and philosophy.

(MTL 180) Medical Terminology 180 (2 lectures per week)
The acquisition of a basic vocabulary (the prefixes and suffixes included) in Greek and Latin. The manner in which medical terminology originates from these languages, as well as the ability to analyse and derive the meaning of existing terminology.

YEAR 1 : SEMESTER 2

SA1: (GNK 120) Introduction to the Study of Medicine/Dentistry 120 (1 week)
Introduction to the Faculty of Health Sciences and students' interaction with the Faculty. Description of the curriculum and the demands made on students at different stages. Introduction to the principles contained within the "golden threads". Introduction to the cultural differences and taboos important to the healthcare worker. First stages of learning a new language – Setswana and Afrikaans.

BLOCK 1
(BOK 120) Molecule to Organism 120 (10 weeks)

Module 1: Molecule to Cell (3 weeks)
Principles of physiology, chemistry, pharmacology and genetics applicable to man. Macro molecules, lipids, carbohydrates, protein. Introductory genetics: Molecular evolution, gene structure and transmission, genetic control of the cell cycle, genetic defects. Pharmacology on molecular level: Drug receptors, kinetic conceptions, principles of structural activity relationships.

Module 2: Cell to Tissue (4 weeks)
Gamatogenesis, embryogenesis, embryopathy, histology, incidence of tissue types. The immune system and its components. Tissue specificity, genetic control of expression and influencing factors.

Module 3: Tissue to Organism (3 weeks)
Anatomical terminology, introduction to the systemic and functional organisation of the human body. The management of tissue in organs. The life stages of man. Impulse conduction and muscle contraction. Nerve potentials.

SA 3
(GNK 127) People and their Environment 127 (2 weeks)
Informatics and resources in Medicine: Information processing. Clinical epidemiology and biostatistics. Research studies and their analyses. Introduction to research methodology.

SYLLABI FOR THE BChD DEGREE (2nd year of study)

YEAR 2: SEMESTER 1

BLOCK 3
(BOK 280) Homeostasis 280 (7 weeks)

(a) Intermediary Metabolism (3 weeks)
Carbohydrate and lipid metabolism; protein and energy metabolism; vitamins and minerals. (Practical work: Protein electrophoresis).

(b) Control (2 weeks)
Nerve control; Endocrine control.

(c) Internal Milieu (2 weeks)
Water and Blood; Acid-base balance (Practical work: Haematology).

BLOCK 6A
Anatomy (Dissection)
SA 4
(GNK 288) Anatomy (Dissection) 288 (180 hours/7 weeks)
Upper limbs; neck and back; head; brain; thorax; abdomen; pelvis; lower limbs.

BLOCK 2
(BOK 284) People and their Environment 284 (6 weeks)

(a) Man and his environment (4 weeks)
Man and disease; family and social concepts in Medicine; communication in Medicine; normal sexual response; role of medical genetics in modern medicine; health and community health; industrial health; medical ethics.

YEAR 2: SEMESTER 2

SA 5
(GNK 283) Introduction to Clinical Medicine 283 (2 weeks)
The Bio-psychosocio model; the biomedical model; the GOSH model; introduction to clinical departments.

BLOCK 4A
(BOK 281) Pathological Conditions and Infectious Diseases 281 (5 weeks)
(a) General Pathology and Immunology (4 weeks)
Cell damage; growth and repair; infection; disturbances in circulation; HLA system; immune response; hypersensitivity; auto-immunity and transplant immunology. Anatomy of the lymphatic system.
(b) Principles of Neoplasia (1 week)
Oncogenesis; terminology and biological behaviour of tumours; principles of therapy.

BLOCK 4B
(a) (GNK 286) Basic Emergency Care 286 (1 week)
Theory and practical sessions in basic emergency care.

SYLLABI FOR THE BChD DEGREE (3rd year of study)

YEAR 3: SEMESTER 1

BLOCK 6B
(GNK 381) Heart and Blood vessels 381 (6 weeks)
Discussion of important diseases in order to obtain a complete overview of the disease, which will include Anatomy, Physiology, Pathology, Pharmacology and Clinical Medicine.

BLOCK 7
(GNK 383) Lungs and Chest 383 (4 weeks)
Discussion of the important diseases in order to obtain a complete overview of the disease, which will include Anatomy, Physiology, Pathology, Pharmacology and Clinical Medicine.

(TMZ 370 and 470) Applied Human Systems 370 and 470
Consist of three modules: Applied Physiology, Pharmacology and Head and Neck Anatomy in the third year and Systematic, Practical and Clinical Training in Anaesthesiology in the fourth year.

SYLLABI FOR THE DENTAL SUBJECTS OF THE BChD DEGREE (3rd, 4th and 5th years of study)

(OFC 370, 470 and 570) ORO-FACIAL SURGERY 370, 470 and 570
(a) **Surgical Anatomy**: Applied surgical anatomy.
(b) **Examination, anaesthesia, distress**: Examination of a surgical patient, stress control and sedation, local anaesthetics, local anaesthetic techniques, applied pharmacology and prescription (synoptic), emergency procedures.
(c) **Basic Oral Surgery**: Sterilisation and disinfection, oral surgical armamentarium, exodontia and related complications, bleeding problems, antrum.
(d) **Advanced Oral Surgery**: Apaicectomy, impactions, electro and cryosurgery, soft tissue infections and osteomyelitis, pre-prosthodontic surgery (review).
(e) **Basic Maxillo-Facial Surgery**: Traumatology, surgical pathology, neuralgias, temporo-mandibular joint derangements.
(f) **Advanced Maxillo-Facial Surgery**: Micro surgery (review), orthognathic surgery, facial cleft deformities, cranio-facial surgery (review).

(DFA 370, 470 and 570) DENTO-FACIAL ANOMALIES 370, 470 and 570
The course extends over the third, fourth and fifth years of study. Lectures, practical and clinical work, seminars and discussions on the following: (a) Basic principles and therapeutic measures. (b) Occlusion: development and morphology. (c) Development and growth: cranium. (d) Stainless steel: properties and uses. (e) Orthodontic devices: requirements and types. (f) Changes in tissue. (g) Malocclusion: classsification and aetiology. (h) Examination, aids, diagnosis and planning. (i) Bad habits. (j) Preventive and interceptive orthodontics. (k) Treatment: principles, problems with space, methods. (l) The role of extraction. (m) Retention.

(MFP 470 and 570) MAXILLO-FACIAL PATHOLOGY 470 and 570
This module will empower the student with knowledge of the embryology, anatomy, physiology and pathology of the oral mucosa, the salivary glands, intra- and extraoral soft tissue and bone in order to diagnose and manage lesions, diseases and conditions of the oral mucosa, salivary glands, intra- and extraoral soft tissue and bone.

(GAP 470 and 570) COMMUNITY AS PATIENT 470 and 570
The course consists of theoretical and practical training in oral epidemiology, community based primary and secondary prevention and the application of the principles of public oral health in his/her working environment.

(ODO 370, 470 and 570) ODONTOLOGY 370, 470 and 570

The course in Odontology is an integrated curriculum which is structured and presented by various lecturers from different departments of the School. The course consists of theoretical, practical and clinical training which is presented during the third, fourth and fifth years of study. The theoretical training includes anatomy, embryology, histology, microbiology and pathology of the teeth and teeth structure, while the clinical training is focused on the preventive, curative, and minor rehabilitative treatment of teeth development and eruption malformations, dental caries, pulpal and peri-radicular pathology, unerupted and impacted teeth, and tooth wear as part of the ageing process.

(PDL 370, 470 and 570) PERIODONTOLOGY 370, 470 and 570

(i) The course is offered during the third, fourth and fifth years of study.

(ii) The depth and weighting of the knowledge base and the clinical application and interpretation of the course will be dependant on the year of study.

(iii) The goal of the course is to educate and train general dental practitioners who will be able to apply their expertise and knowledge in the prevention and treatment of periodontal diseases in both the public and private sectors within the scope of the dental practitioner. In order to achieve this, the student must know the embryology, normal anatomy, histology and function of the periodontium. The student must understand the aetiology, pathogenesis, the risk and other factors associated with the various forms of periodontal diseases, and their classification.

The student must be able to perform a comprehensive clinical examination and use the information so gained to arrive at a diagnosis and treatment plan. The student must become proficient in applying preventive control methods, the ability to instruct and motivate oral hygiene methods; scaling and root planing; be able to correctly evaluate the tissue response to these procedures; be able to differentiate clinically between the various forms of disease and be able to perform clinical procedures associated with the treatment of early and moderate stages of periodontal disease. The student must understand the treatment possibilities associated with established and advanced disease, including regeneration and implant techniques, and when and to whom, such patients are referred for specialist diagnosis and treatment, should this be necessary.

(PRS 370, 470 and 570) PRACTICE MANAGEMENT 370, 470 and 570

The aim of this course is to provide an opportunity for dental students to apply practice management principles to daily patient care. The course in business management should prepare the student for a meaningful and successful career in an increasingly complex business and health care environment. At the completion of the practice management course, the student should be able to apply specific principles and skills with regard to:

- Psychology in the dental practice
- Political parameters in dentistry
- Sociology and dentistry
- Ethics for the dental professional
- Career opportunities
- Managing a practice

In addition, students should understand the economic, cultural, legal and regulatory environment to establish and optimise patient care.

(PTK 370, 470 and 570) PROSTHETICS 370, 470 and 570

Examination and evaluation of the denture patient, principles and taking of impressions, determination of vertical and horizontal jaw relations and facial bow recording. Aesthetics.

Fitting and placing of the finished denture. Post treatment. Clinical aspects of manufacturing of complete and partial dentures, obturators and special apparatus.

(OPS 470 and 570) COMPREHENSIVE PATIENT CARE 470 and 570
The subject course extends over a period of two years. During the first semester of the fourth year the students are trained in the holistic evaluation of a patient, the clinical hypothetic-deductive reasoning process, diagnosis, prognosis and treatment planning.
From the second semester of the fourth year, under the guidance of a tutor, and by utilizing a special "practice patient" file, the students start treating their practice patients comprehensively. The treatment of the practice patients must be completed during the fifth year. The student compiles a portfolio on the clinical treatment and administrative procedures of the practice patient. The portfolio represents continuous evaluation and is submitted to obtain a year mark. The completed practice patient file is presented to an audience and panel of adjudicators to obtain an examination mark. These two marks constitue the student's final mark on a 50/50 basis.

MChD DEGREE

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

I. Maxillo-Facial and Oral surgery

Major subject:
Maxillo-Facial and Oral surgery: Experience is acquired through practical and clinical training and supplemented by seminars, discussions, papers and research. Diagnosis, planning, surgical and secondary treatment of diseases, injuries and defects of the human mouth, jaws, face and related structures.
Subsidiary subject:
Oral Pathology: Instruction by the Department of Oral Pathology. This training takes place in the last 18 months (endorsement Surg.Max.Fac.-Med) or during the third and fourth years of study (endorsement Surg.Max.Fac.-Dent) of the registrarship. The examination in Oral Pathology must be completed at least six months before the examination in the main subject is written.
Attendance course:
Maxillo-Facial Röntgenology: Attendance of seminars and discussions at the Oral and Dental Hospital, the Pretoria Academic Hospital and other approved teaching hospitals, is compulsory.

Endorsements: Surg.Max.Fac.-Med and -Dent:
1. When a BChD degree (University of Pretoria) has been obtained after October 2001, the candidate should preferably enrol for the MChD (Surg.Max.Fac.-Med) course.
2. General information: Permission is granted to the student (Surg. Max.Fac.-Med) to register simultaneously for the postgraduate and undergraduate courses as

applicable. At the end of the course the student will have complied with all the requirements for the BChD, MBChB and MChD degrees.

3. The content of the basic and subsidiary subjects and attendance courses will be determined by the particular Head of Department in consultation with the Department of Maxillo-Facial and Oral Surgery.
4. Basic subjects: Acknowledgement of basic subjects may be granted if the particular subjects have already been passed at an approved institution, as recommended by the Head of Department.
5. Instruction in the major subject extends over a minimum period of three years, of which the first year mainly concentrates on minor oral surgery.
6. The student for the endorsement Surg.Max.Fac.-Med. can only fulfil his clinical obligations in Principles of Surgery, after he or she has complied with the requirements for both the BChD and MBChB degrees.
7. Instruction in the subsidiary subject, Principles of Surgery:

(a) **Endorsement Surg.Max.Fac.-Med** BVC 806

General Surgery (including Paediatric Surgery)	3 months
Otorhinolaringology	2 months
Intensive Care	2 months
Neurosurgery	2 months
Plastic Surgery	2 months
Surgical Orhtodontics/ Oral Pathology	1 month

(b) **Endorsement Surg.Max.Fac.-Dent.**

Neurosurgery	3 months
Intensive Care	2 months
Paediatric Surgery	2 months
Distress Unit (Family Medicine)	2 months
Plastic Surgery	2 months
Surgical Orthodontics	1 month

8. The instruction in the last two years in the major subject takes place only after having successfully completed Principles of Surgery.
9. The first year of registrarship is acknowledged as an additional year of experience for Medicine and Dentistry if the training in Maxillo-Facial and Oral Surgery is discontinued. However, a student, who discontinues one of the courses, must resign immediately from registrarship.
10. The basic subjects for the courses Maxillo-Facial and Oral Surgery (endorsements Chir.Max.Fac.-Med and Chir.Max.Fac.-Dent) are identical.

II. Orthodontics

Major subject:

Orthodontics: (subminimum of 50% in the written paper). Clinical training and treatment of patients. Practical technical exercises in the manufacturing of all types of removable and fixed devices. Basic training in square wire technique. The practical and clinical training is supplemented by seminars, literature discussions and papers that cover all the aspects of Orthodontics.

Basic subjects:

Anatomy: Dissection of the head and neck with particular focus on the embryology, development and growth of the cranium and facial complex and the functional anatomy of the jaws.

Physiology: Students attend the lectures for MMed students. Basic physiological principles with particular focus on physiological aspects which relate directly to Orthodontics.

Oral Biology: Oral anatomy, oral histology and oral physiology as well as in-depth knowledge of applied aspects for the orthodontist, are incorporated in Oral Biology.
Subsidiary subject:
Oral Pathology: General Pathology and Oral Pathology. In-depth knowledge of Applied Oral Pathology that relates directly to Orthodontics, is required.

III. Oral Pathology

Surgical Oral Pathology: An adequate number of biopsies and surgical samples have to be handled and studied, supplemented by special collections. The study of problematic cases for adequate training in the diagnosis of unusually difficult oral lesions.
*Oral Cytology***:** A basic knowledge of oral cytology. The examination of routine oral smears.
Clinical Oral Pathology: Practical experience and the observation of the clinical manifestations of oral and systemic diseases. Clinical discussions in the wards, case study and the attendance of discussions in the Department of Anatomical Pathology and the Division of Dermatology (Department of Internal Medicine).
Anatomical Pathology: A broad knowledge of general and systematic Pathology is of primary importance. A reasonable number of autopsies have to be performed by the student; macroscopic and microscopic examinations of surgery samples and discussions have to be attended.
Microtechnique: A broad background of all the aspects of microtechnique is of primary importance.
Microbiology: All the aspects of Microbiology (including diagnostic techniques) which are of importance for the oral pathologist.
Chemical Pathology: A broad knowledge of chemical pathology is required.
Research: Original research or active participation in research will be encouraged.
Lecturing and practical discussion classes for undergraduate students will be conducted by students.

IV. Periodontics and Oral Medicine

Major subject
Didactic and clinical training: Normal anatomy and histology of the supporting tissue; physiology of the supporting tissue; aetiology and pathogenesis of local and systemic factors which attack the supporting tissue. Classification, epidemiological and preventive aspects of periodontal disease, examination and diagnosis of periodontal disease, therapeutic principles and procedures, periodontal prostheses. Diagnosis and pharmacotherapy of all oral mucosal lesions. Systemic diseases which may present with oral manifestations. The temporomandibular joint and muscular system. Re-evaluation and maintenance.

V. Prosthodontics

Major subject: *Prosthodontics:* The rehabilitation of the masticatory apparatus by means of prostheses, including all methods of treatment to provide the patient with an effective masticatory function . The patient is carefully evaluated with regard to the psychosomatic aspects, his nutritional condition and the underlying disease in the mouth and system which may have an influence on the success of the prosthetic therapy. Students must be informed of all the latest therapeutic aids which can be used to the benefit of a prosthetic patient. Function and parafunction

of the stomatognathic system, theories and practices regarding occlusion, laboratory techniques, physical and chemical properties of materials that are used, articulating and other instruments that are used, methods that are used to determine jaw movements and position.

Prosthetics: Complete and instant dentures: The treatment of problematic cases; consideration of the desirability of surgical preparation of the mouth and implants. Partial Dentures: The principles of design; the evaluation of the jaws and supporting tissue for the design of the most efficient removable apparatus, if necessary, in co-operation with other disciplines. Case studies: Cleft palate, implants and the cantilever ward problem. Precision attachments and overlay dentures. Implant dentures. Surgical prostheses: The making of prostheses for the absence of nose, eyes, ears, cleft palates and facial parts.

Restorative Dentistry: Theories and uses related to crown and bridge prosthesis, with endodontics and with partial precision attachment dentures; the temporo-mandibular joint and the treatment of problems of muscles around the joint. Endosteal implants.

Basic subjects:

Anatomy: Dissection of the head and neck. Particular attention has to be devoted to the embryology and development of the cranium complex and the whole stomatognathic system.

Physiology: Students attend the lectures for MMed students. The basic physiological principles with particular focus on applied physiology with regard to prosthodontics.

Oral Biology: Oral anatomy, oral histology and oral physiology as well as in-depth knowledge of applied aspects for the prosthodontist are incorporated in Oral Biology.

Subsidiary subjects:

Oral Pathology: General Pathology and Oral Pathology. An in-depth knowledge of applied oral pathology related to prosthodontics is required.

Periodontics and Oral Medicine: This subject will be offered by the Periodontics section for a period of two years and it will be completed at the end of the second year of study.

VI. Community Dentistry

Major subject:

Community Dentistry

(a) *Preventive Dentistry*: The promotion of health through the prevention and control of stomatopathies.

(b) *Dental Epidemiology*: Frequency and distribution of stomatopathies in human populations.

(c) *Dental Community Health*: The development and implementation of dental community programmes.

SYLLABI FOR THE UNIVERSITY DIPLOMA IN ORAL HYGIENE [Dip(OH)] (CODE 11120012)

First year of study:

(1) **Dento-Facial Anomalies**

The course, standard dento-craniofacial anomalies, will empower the newly qualified Oral Hygienist to recognise and refer limited developmental and structural abnormalities of the growing and mature dento-craniofacial structures.

(2) **Community as Patient**

The course "Community as Patient" will enable the recently qualified Oral Hygienist to diagnose the oral health problems of any given community. Application of the knowledge gained from the course will enable him/her to participate in relevant primary and secondary preventive programmes to improve the oral health of that community in accordance with the public oral health policy of the RSA.

(3) **Human Biology**

To provide the oral hygienist with a sound basic knowledge of:

- cell biology (composition, metabolism, also development of cells, tissue and organisms)
- natural and aquired immunological activity of man
- embriological development of oral soft tissue, teeth and bone
- physiological metabolism and control of the human body
- aetiology and pathology of systemic diseases with oral symptoms and specific oral diseases.

(4) **Odontology**

To enable the newly qualified Oral Hygienist to be competent in the evaluation of the oral health status of the child, adolescent, adult and geriatric patient in terms of diseases related to the hard tissues of the oral cavity plus the pulp and perapical tissues, and be able to:

- correctly diagnose the diseases;
- correctly diagnose the patients' risk profile;
- instruct a patient to be capable of exercising self-protective practices;
- change the behavioural pattern of the patient through motivation;
- create resistant and optimally maintainable dental hard tissues for oral health;
- reverse early lesions where possible; and
- refer patients for restorative and rehabilitative treatment.

(5) **Periodontology**

The oral hygiene student is provided with the knowledge and skills to assess periodontal diseases. The student should recognise, diagnose, refer and identify the risk factors concerning relevant sistemic diseases. The oral hygienist should be able to design, coordinate, implement and evaluate an effective, primary, preventive and therapeutic periodontal treatment plan for the patient. The oral hygiene student should participate in the prevention, treatment and maintenance of periodontal health as part of the overall health of their patients and the community.

(6) **Radiography**

The student must be competent to produce a variety of intra- and extra-oral radiographs of good diagnostic quality. He/she must also recognise relevant

anatomical landmarks on a radiograph and distinguish between normal and abnormal appearances. He/she must at all times be conscious of possible deleterious effects of radiation on biological systems.

(7) **Preventive Oral Health**

The course is aimed at enabling an oral hygiene student to develop his/her skills, knowledge and attitude in an integrated, holistic and comprehensive way by means of developing, implementing and evaluating a needs-driven primary and basic-secondary preventive programme for a patient.

(8) Oro-facial Surgery

Second year of study:

(1) **Maxillo-facial Pathology**

The course, Maxillo-Facial Pathology, will empower the qualified oral hygienist to:

- acquire a basic knowledge of the embryology, topographical and functional anatomy of the head and neck region and to integrate this with the radiological and clinical findings;
- acquire knowledge with regard to the aetiology and pathogenesis of diseases of the head and neck region and to recognise the clinicopathological signs thereof; and
- appropriately manage such diseases and to evaluate the effectiveness thereof.

(2) **Business Management**

The aim of this course is to provide an opportunity for oral hygiene students to apply business management principles to daily patient care. The course in business management should prepare the student for a meaningful and successful career in an increasingly complex business and health care environment.

At the completion of the business management course, the student should be able to apply specific principles and skills with regard to:

- Psychology in the dental practice
- Political parameters in dentistry
- Sociology and dentistry
- Ethics for the dental professional
- Career opportunities
- Managing a practice.

In addition, students should understand the economic, cultural, legal and regulatory environment to establish and optimise patient care.

(3) **Community as Patient**

The course “Community as Patient” will enable the recently qualified oral hygienist to diagnose the oral health problems of any given community. Application of the knowledge gained from the course will enable him/her to participate in relevant primary and secondary preventive programmes to improve the oral health of that community in accordance with the public oral health policy of the RSA.

(4) **Preventive Oral Health**

The course is aimed at enabling an oral hygiene student to develop his/her skills, knowledge and attitude in an integrated, holistic and comprehensive way by means of developing, implementing and evaluating a needs-driven primary and basic-secondary preventive programme for a patient.

(5) **Patients with special needs**

To train an oral hygienist in the necessary skills, efficiency and aptitude in an integrated, holistic and comprehensive manner to develop, implement and evaluate a need-driven primary and basic secondary preventive treatment plan for the patient with special needs. The oral hygienist must also be able to evaluate the patient's general health and bring it into context with the oral health treatment plan by modifying and adapting it to the advantage of the general health of the patient.

(6) **Radiography**

The student must be competent to produce a variety of intra- and extra-oral radiographs of good diagnostic quality. He/she must also recognise relevant anatomical landmarks on a radiograph and distinguish between normal and abnormal appearances. He/she must at all times be conscious of possible deleterious effects of radiation on biological systems.

PRIZES AND MEDALS

Name	Donor	Award
Medals for Dentistry students		
Gold Medal of the South African Dental Association	South African Dental Association	A medal for the student who has excelled throughout his or her academic career. (The highest undergraduate award in the School of Dentistry) Results (marks) obtained in all examinations leading to the degree from the first year of study, are taken into account, as well as other academic achievements.
Bronze Medals of the South African Dental Association	South African Dental Association	For final-year student(s) who obtained the best results in the following disciplines: • Practice Management • Community as Patient • Odontology • Oral-Facial Surgery • Maxillo-Facial Pathology • Dento-Facial Anomalies • Periodontology • Comprehensive Patient Care • Prosthetics.
The Good Fellow Medal of the South African Dental Association	South African Dental Association	For a student in the final year who showed strong character, leadership and sportsmanship.
Prizes for Dentistry students		
Department of Health Certificate	Department of Health	For the best achievement in Epidemiology and Public Oral Health.
Dr Jan Stegmann Prize	Estate the late J A Stegmann	For the best achievement in the basic clinical aspects of Odontology.
Endodontic Society Prize	Endodontic Society of South Africa	For the best student in Endodontics.
G V Black Prize	Dr R Goldberg	For the student who showed particular perseverance in studies for the BChD degree.
Harry Goldin Prize	Prof K-W Bütow	For the best final-year student in Maxillo-Facial and Oral Surgery.
J E Seeliger Award	Dentsply	For the best final-year student in Radiography (practical).
Mentadent P Prize	Elida-Ponds (Pty) Ltd	For the student with the best achievement in Preventive Dentistry.

Name	Donor	Award
MLS Bank Practice Management Award	MLS Bank	For the best final-year student in Practice Management.
P Grant Smith/ Millner Prize	Millner's Dental Suppliers	For the final-year student with the best results in the examination courses of the 5th year of study.
South African Council for Dental Mechanics Prize	South African Council for Dental Mechanics	For the best performance in Pre-clinical Prosthetics.
South African Society for Periodontics Prize	South African Society for Periodontics	For the student with the best results in clinical Periodontics.
Dentsply Prize	Dentsply	For the final-year student who achieved the best results in preparing him- or herself for practice in Restorative Dentistry.
Brooklyn Surgical Centre Floating Trophy	Brooklyn Surgical Centre	For the final-year student with the best results in the clinical section of the course.
Ross Barrowman Prize	The late Prof T R Barrowman	For the best student in removable partial prosthetics
Prossa prizes	Prosthodontics Society	A prize for the best student in clinical fixed Prosthodontics; and another for the best student in clinical removable Prosthodontics.
W A Wiltshire Prize	Prof W A Wiltshire	For the final-year student who achieved the best in Dento-Facial Anomalies (clinical).
NB: If no student qualifies, the particular award is not made.		
Medal for Oral Hygiene students		
John van der Sandt de Villiers Medal and Floating Trophy	Oral B	For the best final-year student in the course.
Prizes for Oral Hygiene students		
Chris Snijman Prize	Oral B	A first, second and third prize for the three students who obtained the highest marks in the oral examination on subjects in the field of Oral Hygiene.
Department of Health Merit Certificate	Department of Health	For the best student in the theoretical section of the module Community as Patient.
Eugénie Brewis Prize	Eugénie Brewis	For the final-year student who excelled in community service during the course.
P Grant Smith/ Millner Prize	Millner's Dental Suppliers	For the best final-year student in Oral Hygiene clinical procedures.
Reinor Prize	Reinor Orthodontics	For the final-year student who, during the course of the studies,

Name	Donor	Award
		achieved the best results in the theoretical and clinical section of Orthodontics pertaining to Oral Hygiene.
South African Society for Oral Hygienists Merit Certificate	South African Society of Oral Hygienists/Warner Lambert	For the best student overall in the final year of study.
W C Röntgen Prize	Kodak (SA)	For the best final-year student in the theory of Radiography.
William Updegrave Prize	Kodak (SA)	For the best student in the practical/clinical section of Radiograhy.
Dental Warehouse Prize	Dental Warehouse	For the final-year student with the best year and examination marks for Preventive Dentistry as part of the module Odontology.
NB: If no student qualifies, the particular award is not made.		
Other		
RSC Honorary Medal*	Representative Student Council	For the student who served the student community with excellence.

* Not limited to the School of Dentistry

The Afrikaans text of this publication is the official version and will be given precedence in the interpretation of the content.