SCHOOL OF DENTISTRY
DOCTOR OF DENTAL SURGERY (DDS) PROGRAMME
(Governed by the Faculty 1999 Regulations)

INTRODUCTION
The undergraduate programme leading to the degree of Doctor of Dental Surgery occupies five years of study and is divided into two Phases. Phase I is devoted to the study of the basic medical and dental sciences and spans the first two years (4 semesters). The first three semesters are taught in co-operation with the School of Medicine as a common programme for dental, medical and veterinary students, and utilises a Problem Based Learning (PBL) methodology. Subjects included in this part of the programme are Anatomy, Physiology, Biochemistry, Pharmacology, General Pathology and Microbiology, Community Health, Behavioural Sciences, Sociology of Health, Epidemiology and Biostatistics. Students undertake a module of Skills Training, which focuses on interviewing and clinical examination techniques. In addition, there are 10 hours of dedicated dental instruction in Oral Biology and 10 clinical orientation sessions in the Dental Hospital that form an introduction to the Clinical Dentistry unit.

The second semester of the second year (semester 4) is devoted to specialist dental topics including Regional Head and Neck Anatomy, Dental Materials Science, Oral Biology, Core Radiology and a laboratory-based unit of instruction in basic Operative Dental Techniques. This laboratory experience equips students with the clinical skills and acumen necessary to commence treatment of patients from the beginning of the third year and Phase II of the DDS programme. The three clinical years leading to graduation involve supervised patient management in all spheres of dentistry, and study of the causes, management and prevention of oral and dental diseases.

If a student's entry into year 3 is delayed by two years or more, he/she is required to repeat the Phase I B Dental course and the respective examination. At the beginning of semester 1, year 2 of the DDS programme students are required to purchase a hand piece kit and other clinical and laboratory instruments that would be the property of the student. These instruments will be useful when they set-up their practice. The kit will cost approximately US$3,500 and can be purchased through the office of the Director, School of Dentistry.

A student whose attendance falls short of 75% of sessions in Year 3 or who fails to meet the course requirements and/or is unsuccessful in the end of course assessments and repeat examinations that year, will be required to repeat Year 3. A student whose attendance falls short of 75% of sessions in Year 4, or who fails to meet the course requirements and/or is unsuccessful in the end of course assessments and repeat examinations that year, would be required to repeat Year 4. Any student whose attendance falls short of 85% in any clinical rotation will not be eligible to appear for the final DDS examination. Such a student is required to repeat the clinical year.

The clinical training of students from Year 3 to Year 5 is monitored by way of accomplishment of clinical quota and competency in each discipline. If students fail to accomplish the quota required to achieve competency in respective clinical years of the DDS program, they are not allowed to progress from one clinical year to another or take the final year examination, as the case may be.

Each student’s progress is carefully monitored during all stages of the programme and one-to-one assistance is afforded, as necessary, from members of the academic staff. Student support services are comprehensive and readily available at the Medical Complex and also at the main Campus in St. Augustine.

Following graduation, there is an extended one-year Phase III programme of pre-licensure Internship in General Dentistry to prepare students for the independent practise of dentistry and eligibility for registration with the Dental Council of Trinidad and Tobago. The Phase III programme is considered as a Vocational Training programme. Any intern whose attendance falls short of 85% in any of their clinical rotations will not receive the certificate of completion of the pre-licensure internship in General Dentistry, thus delaying their registration with the Dental Council of Trinidad & Tobago. In such instances, the intern will have to repeat stipulated period(s) of the internship programme as deemed fit by the School.

<table>
<thead>
<tr>
<th>SUMMARY OF THE DDS UNDERGRADUATE PROGRAMME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester</td>
</tr>
<tr>
<td>----------</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Semester</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Based Learning (PBL) methodology. Subjects included in this part of the programme are Anatomy, Physiology, Biochemistry, Pharmacology, General Pathology and Microbiology, Community Health, Behavioural Sciences, Sociology of Health, Epidemiology and Biostatistics. Students undertake a module of Skills Training, which focuses on interviewing and clinical examination techniques. In addition, there are 10 hours of dedicated dental instruction in Oral Biology and 10 clinical orientation sessions in the Dental Hospital that form an introduction to the Clinical Dentistry unit.

The clinical training of students from Year 3 to Year 5 is monitored by way of accomplishment of clinical quota and competency in each discipline. If students fail to accomplish the quota required to achieve competency in respective clinical years of the DDS program, they are not allowed to progress from one clinical year to another or take the final year examination, as the case may be.

Each student’s progress is carefully monitored during all stages of the programme and one-to-one assistance is afforded, as necessary, from members of the academic staff. Student support services are comprehensive and readily available at the Medical Complex and also at the main Campus in St. Augustine.

Following graduation, there is an extended one-year Phase III programme of pre-licensure Internship in General Dentistry to prepare students for the independent practise of dentistry and eligibility for registration with the Dental Council of Trinidad and Tobago. The Phase III programme is considered as a Vocational Training programme. Any intern whose attendance falls short of 85% in any of their clinical rotations will not receive the certificate of completion of the pre-licensure internship in General Dentistry, thus delaying their registration with the Dental Council of Trinidad & Tobago. In such instances, the intern will have to repeat stipulated period(s) of the internship programme as deemed fit by the School.
# DOCTOR OF DENTAL SURGERY (DDS) COURSE LISTING

## Phase IA

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>MDSC 1001</td>
<td>Environment and Health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MDSC 1002</td>
<td>Basic Paraclinical Sciences</td>
</tr>
<tr>
<td></td>
<td></td>
<td>COMS 1001</td>
<td>Communication Skills for Health Personnel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FOUN 1101</td>
<td>Caribbean Civilization or Law, Governance, Economy &amp; Society</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FOUN 1301</td>
<td>Caribbean Civilization or Law, Governance, Economy &amp; Society</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MDSC 1280</td>
<td>Skills Training</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MDSC 1101</td>
<td>Digestion and Metabolism</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MDSC 1102</td>
<td>Cardiovascular and Renal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>COMS 1002</td>
<td>Communication Skills for the Health Professions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 1101</td>
<td>Oral Biology I</td>
</tr>
</tbody>
</table>

## Phase IB

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td>MDSC 2001</td>
<td>Respiration</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MDSC 2002</td>
<td>Neurosciences &amp; Behaviour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MDSC 2280</td>
<td>Skills Training II (Sem 1 &amp; 2)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 2101</td>
<td>Oral Biology 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 2100</td>
<td>Head &amp; Neck Anatomy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 2104</td>
<td>Dental Materials Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 2103</td>
<td>Operative Dental Techniques I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 2205</td>
<td>Core Radiology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 2206</td>
<td>Dental Local Anaesthesis &amp; Tooth Removal</td>
</tr>
</tbody>
</table>

## Phase II Part I

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td>DENT 3200</td>
<td>Dental Public Health I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 3201</td>
<td>Preventive Dentistry</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 3202</td>
<td>Periodontology I +</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 3203</td>
<td>Conservative Dentistry I +</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 3205</td>
<td>Oral Radiology +</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 3207</td>
<td>Prosthodontics I +</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 3208</td>
<td>Orthodontics I +</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 3209</td>
<td>Paediatric Dentistry I +</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 3210/3211</td>
<td>Human Disease</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(General Medicine, General Surgery)*</td>
</tr>
</tbody>
</table>

+ = Internal Assessment Examinations contribute to the Final Examinations

* = Subject of Professional Examinations in May

## Phase II Part II

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td>DENT 4200</td>
<td>Dental Public Health II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 4201</td>
<td>Preventive Dentistry II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 4204</td>
<td>Oral Pathology (incl. Oral Microbiology)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 4205</td>
<td>Oral Radiology (incl. Dental Therapeutics)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 4300</td>
<td>Oral &amp; Maxillofacial Surgery</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 4301</td>
<td>Periodontology II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 4302</td>
<td>Prosthodontics II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 4303</td>
<td>Conservative Dentistry II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 4304</td>
<td>Orthodontics II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 4305</td>
<td>Paediatric Dentistry II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 4306</td>
<td>Child Dental Health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 5307</td>
<td>Ethics, Law &amp; Jurisprudence</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 5320</td>
<td>Restorative Dentistry</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 5330</td>
<td>Child Dental Health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DENT 5340</td>
<td>Oral Diseases</td>
</tr>
</tbody>
</table>

+ = Internal Assessment Examinations contribute to the Final Examinations

* = Subject of Professional Examinations in May
PHASE IA and IB

COURSE DESCRIPTIONS

Level:
Semester:
Course Code: [DENT2100]
Course Title: HEAD & NECK ANATOMY (60 hours)
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: This unit aims to consolidate information taught in the various Phase IA blocks to provide an understanding of the detailed 3-dimensional structure of the head and neck region that is so important to dentists. This Unit of Anatomy provides tutorials and practical demonstrations. Teaching is supported within the School of Dentistry using interactive CD-ROM programmed learning.

Level:
Semester:
Course Code: [DENT1101]/[DENT 2101]
Course Title: ORAL BIOLOGY (180 hours)
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: Oral Biology includes tooth morphology, oral anatomy & embryology, oral histology, oral physiology and oral biochemistry. The unit offers study of the gross and microscopic structure of all the components that participate in the stomatognathic system. Physiological and biochemical aspects are included. The embryological development of the face and oral cavity, teeth and associated structures are traced from conception. These studies form the basic concepts of normal structure and function that enable deviations representing oral and dental disease to be studied in later units of oral pathology and oral medicine. Understanding growth and the establishment of occlusion through the childhood to the permanent adult dentition is fundamental to future studies of child dental health (paediatric and preventive dentistry) and the correction of malocclusions (orthodontics). The unit involves lectures and laboratory sessions.

Level:
Semester:
Course Code: [DENT 2104]
Course Title: DENTAL MATERIALS SCIENCE (40 hours)
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: Knowledge of the behaviour and properties of dental material used clinically and in the laboratory enables appropriate choice of materials and their correct handling to give optimal results for an individual patient’s care. Basic physical and chemical properties are studied from a structural and colloidal science aspect and the influence these have upon the mechanical handling properties of dental materials in current use.

Level:
Semester:
Course Code: [DENT2103]
Course Title: OPERATIVE DENTAL TECHNIQUES I (170 hours)
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: This integrated unit provides theoretical, laboratory and clinical experience of the basic principles of restorative dentistry including conservation, periodontology, removable prostheses and dental technology. The preparation and restoration of teeth with amalgam and tooth-coloured materials is practiced in both laboratory and clinical settings. The unit gives special attention to the biological aspects involved in the restoration of teeth with emphasis on preservation of the vital tooth tissue plus prevention and maintenance of the health of the supporting oral tissues. Particular reference is made to the selection of appropriate restorative materials and this cross-references with the DD 102 (Dental Materials Science) unit. Diagnosis and treatment planning in restorative dentistry is introduced in lectures, seminars and clinics. A special sub-unit of operative dentistry for children is included along with an introduction to orthodontics. This unit must be successfully completed prior to the commencement of supervised patient management in the clinics.

Level:
Semester:
Course Code: (part) [DENT2205]
Course Title: CORE RADIOLOGY (60 hours)
As an essential requirement prior to clinical practice, all students must undertake a core unit of teaching concerning radiation physics, radiation dosages, radiography and dental radiography examination techniques. The unit includes film properties, quality assurance, processing and storage plus film-fault avoidance. Clinical demonstrations are included. An internal assessment must be passed at the end of the unit as a prerequisite to commencing patient clinic rotations.
Level: 
Semester: 
Course Code: [DENT2206] 
Course Title: DENTAL LOCAL ANAESTHESIA & TOOTH REMOVAL 
(40 hours, approx. personal learning time) 
Number of Credits: 
Prerequisites: 
Co-requisites: 
Course Description: As the vast majority of operative dentistry requires effective pain control, this unit provides a basic introduction to the pharmacology, indications, contra-indications and techniques of dental local anaesthesia. The fundamental principles involved in the forceps removal of teeth are learned in parallel. These units are provided as interactive self-learning programmed teaching material in the form of CD-ROM (local anaesthesia) and written programmed text (tooth removal). Students may purchase their own copies of these programmes for home study. This is supplementary to the programmes being freely available in the School’s Computer Assisted Learning (CAL) Laboratory or The Medical Sciences Library. This unit is supported with clinical demonstrations. Passing an internal assessment at the end of the unit is another prerequisite to commencing patient clinic rotations.

Prior to the commencement of patient management in the clinics, students are normally required to purchase some personal dental instruments valued at US$1,200.00.

PHASE II Part 1 – YEAR 3
Only after having successfully completed the Phase IA and Phase IB examinations, students embark upon the clinical Phase II programme. Part 1 commences in the third year with a four-week period of orientation and introduction to the hospital clinics. Students are made familiar with the clinical procedures, patient appointment system, clinical records, their responsibilities and the regulations governing the treatment of patients under supervision. Acceptable dress codes and professional behaviour demands are emphasised. There is an introductory lecture series on Ethics, Confidentiality and Professionalism. It is during this period that the internal examinations in Dental Local Anaesthesia / Tooth Removal and Core Radiology are taken. Clinic rotations involving patient management commence after successful completion of this clinical introduction period. The clinical dental science units of instruction presented during the third year are as follows:

COURSE DESCRIPTIONS
Level: 
Semester: 
Course Code: [DENT 3201] 
Course Title: PREVENTIVE DENTISTRY (80 hours) 
Number of Credits: 
Prerequisites: 
Co-requisites: 
Course Description: A unit devoted to the concepts, principles and methods of prevention of dental diseases with emphasis on primary preventive measures, especially for children and nursing mothers.

Level: 
Semester: 
Course Code: [DENT 3200] 
Course Title: DENTAL PUBLIC HEALTH (80 hours) 
Number of Credits: 
Co-requisites: 
Prerequisites: 
Course Description: This unit explores the development of appropriate attitudes, awareness and sensitivity to oral health care and service provision as a public health measure. The characteristics and scope of dental public health activities along with the principles of epidemiology and biostatistics in assessing the oral and dental health care needs of a community are discussed. Dental public health research techniques are explained. The application of managerial skills to optimally utilise auxiliary personnel to achieve high quality, evidence-based oral health care is considered.

[For details of DD202, 203, 205, 207, 208 & 209 – see below.]
Level:
Semester:
Course Code: [DENT3202]
Course Title: PERIODONTOLOGY I
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: This unit explores the biology and pathology of the periodontal tissues as well as the techniques of disease prevention, diagnosis and management.

Level:
Semester:
Course Code: [DENT3203]
Course Title: CONSERVATIVE DENTISTRY I (80 hours)
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: Operative (Conservative) Dentistry involves the restoration of tooth structure and function following the ravages of dental caries (decay), trauma or correction of developmental defects. Topics include preventive aspects and cariology, pulpal injuries and therapy, crown & bridge, root canal therapy (endodontics) and cosmetic dentistry, including the use of veneers. Extra-coronal and intra-coronal restoration of teeth using tooth coloured materials, ceramics and precious or semi-precious metals are studied and practised.

Level:
Semester:
Course Code: [DENT 3205]
Course Title: ORAL RADIOLOGY
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: Studies the use and interpretation of imaging techniques for oral and dental diagnosis. The techniques include the use of X-rays and plain photographic film, Computerised Axial Tomography (CAT), Radioisotope Scanning and Magnetic Resonance Imaging (MRI).

Level:
Semester:
Course Code: [DENT3207]
Course Title: PROSTHODONTICS I (47 hours)
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: Prosthodontics involves the replacement of missing dental tissues that have been lost due to disease, trauma or developmental causes using removable appliances. The unit includes study of specialist prosthodontic techniques used for facial reconstruction and obturation of residual palatal clefts. This cross-references with aspects of Oral & Maxillofacial Surgery. Each prosthesis must be individually designed for each patient to restore, as far as possible, normal masticatory (chewing) function, facial aesthetics, speech and related psychological functions. The use and fabrication of removable partial and complete dentures is practiced in laboratory and clinical environments.

Level:
Semester:
Course Code: [DENT 3208]
Course Title: ORTHODONTICS I (45 hours)
Number of Credits:
Prerequisites:
Course Description: These units study the causes, prevention and management of disturbances of dental occlusion arising from disharmony between jaw size and tooth size/number. Growth pattern studies through childhood to the adult stage are important to understand the prognosis of orthodontic treatment in each patient. There is a strong aesthetic and psychological component to this type of dental treatment. The lecture series covers early interceptive orthodontic treatment, re-alignment of teeth by tilting or rotation methods and consideration of Maxillofacial Surgery referral. The use of removable and fixed appliance techniques is studied. The unit is supported with clinical and laboratory experience.

Level:
Semester:
Course Code: [DENT3209]
Course Title: PAEDIATRIC DENTISTRY I (40 hours)
Number of Credits:
Prerequisites:
Course Description: Paediatric Dentistry considers the differences between the dental treatment of children compared with that of adults. Topics included are common childhood diseases, the management and prevention of dental trauma and rampant dental caries. Preventive techniques such as dietary analysis, fluoride use and fissure sealant therapy are practiced. The dynamic and continuous changes in the dentition and occlusion of children, due to growth and development, are studied. The approach to the behavioural management of the normal and handicapped child dental patient is also examined in detail. The unit is supported with clinical and laboratory experience.
Level: 3  
Semester:  
Course Code: [DENT3210]/[DENT3211]  
Course Title: HUMAN DISEASE (GENERAL MEDICINE/GENERAL SURGERY) (160 hours)  
Number of Credits:  
Prerequisites:  
Co-requisites:  
Course Description: General Medicine and Surgery are important aspects to understand for the safe and appropriate management of dental patients who have general systemic disease. This includes awareness of how general medical and surgical conditions affect the choice of treatment or medications that a dental patient may require. Study of general Clinical Pathology and Clinical Microbiology form the basis for future studies of Oral Pathology, Oral Medicine and Oral Surgery as well as providing an understanding of the known mechanisms underlying the systemic diseases studied. Clinical pharmacology is an important component within this unit. Prescribing drugs for dental patients, who are already taking medications for some medical reason, must avoid adverse drug reactions occurring or interference with the patient’s background medical management. The consequences of such interactions may be life threatening for the patient and result from incompetent management of a relatively less important dental related problem. Dentists must also be able to detect signs of undiagnosed medical disease in their patients. This skill must rely upon recognition of such signs from the exposed parts of a dental patient’s body that are normally visible during a dental consultation. The unit is delivered using a combination of lectures, seminars, ward rounds and clinical / laboratory sessions.

PHASE II Part 2 – Years 4 & 5  
During the fourth and fifth years clinical experience in the various patient clinics continues. By the end of the fourth year, the majority of the primary didactic teaching is completed. This includes an advanced laboratory-based unit of advanced restorative dentistry (Operative Dental Techniques II) that includes Crown & Bridge design and construction. The fifth year is devoted to in-depth study of all Clinical Dental Science subjects to develop wider and deeper understanding. This is achieved through topic teaching, case analyses and clinical conundrums using Problem Based Learning (PBL) methodology. It should be realised that every patient encountered is in itself a PBL exercise.

*The following subjects are taught as an integrated unit of didactic lectures termed ORAL DISEASES (300 hours). The unit is delivered during the fourth (4th) year and is supported with clinical experience in the fourth (4th) and fifth (5th) year clinical rotations through the Oral Surgery, Oral Diagnosis, Oral Medicine & Emergency, Adult and Child Dental Health clinics.

COURSE DESCRIPTIONS  
Level:  
Semester:  
Course Code: [DENT 00]  
Course Title: DENTAL PUBLIC HEALTH II  
Number of Credits:  
Prerequisites:  
Co-requisites:  
Course Description: This unit explores the development of appropriate attitudes, awareness and sensitivity to oral health care and service provision as a public health measure. The characteristics and scope of dental public health activities along with the principles of epidemiology and biostatistics in assessing the oral and dental health care needs of a community are discussed. Dental public health research techniques are explained. The application of managerial skills to optimally utilise auxiliary personnel to achieve high quality, evidence-based oral health care is considered.

Level:  
Semester:  
Course Code: [DENT 4201]  
Course Title: PREVENTIVE DENTISTRY II  
Number of Credits:  
Prerequisites:  
Co-requisites:  
Course Description: A unit devoted to the concepts, principles and methods of prevention of dental diseases with emphasis on primary preventive measures, especially for children and nursing mothers.
LEVEL:
Semester:
Course Code: [DENT 4204]
Course Title: ORAL PATHOLOGY*
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: Oral Pathology is the specialist branch of Dentistry that deals with the mechanisms, identification (chiefly histopathological) and prevention of oral and dental disease processes. The wider systemic effects of the diseases studied are explained. The subject matter includes Oral Microbiology, Dental Therapeutics and Forensic Dentistry.

Level:
Semester:
Course Code: [DENT 4205]
Course Title: ORAL RADIOLOGY*
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: Oral Radiology studies the use and interpretation of imaging techniques for oral and dental diagnosis. The techniques include the use of X-rays and plain photographic film, Computerised Axial Tomography (CAT), Radiosotope Scanning and Magnetic Resonance Imaging (MRI).

Level:
Semester:
Course Code: [DENT 4300]
Course Title: ORAL MEDICINE*
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: Oral Medicine is the branch of Dentistry that encompasses, with Oral Pathology, the study of the aetiology, pathogenesis, investigation, diagnosis, prevention and management of orofacial diseases. It is a relatively new specialty of Dentistry that has arisen due to (a) an increasingly ageing population, (b) advances in medical and surgical sciences and (c) lifestyle changes that have led to the emergence of previously unseen diseases. A typical example of the latter is the advent of the human immunodeficiency virus (HIV) that has resulted in an entirely new pattern of orofacial diseases, which places the responsibility for early recognition and competent management directly at the door of every general dental practitioner's office. The realisation that oral health is important in patients with systemic diseases is also growing. That oral health is an integral part of total body health and, therefore, the health of a community, means the role of a modern dental surgeon has changed from an essentially restorative discipline to that of an oral physician. The implications of systemic diseases, in the presentation and possible special management of dental patients, are fully explored.

Level:
Semester:
Course Code: [DENT 4301]
Course Title: ORAL & MAXILLOFACIAL SURGERY*
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: Oral & Maxillofacial Surgery studies the surgical management of oral and dental disease including the surgical management of oral cancer and subsequent reconstructive techniques, correction of facial deformity, cleft lip and palate surgery as well as surgery involving the temporomandibular joints and salivary glands. Elements of plastic surgery are included.

Level:
Semester:
Course Code: [DENT4302]
Course Title: PERIODONTOLOGY II (260 hours)
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: This unit explores the biology and pathology of the periodontal tissues as well as the techniques of disease prevention, diagnosis and management.

Level:
Semester:
Course Code: [DENT4303]
Course Title: PROSTHODONTICS II (22 lecture hours)
Number of Credits:
Prerequisites:
Co-requisites:
Course Description: Prosthodontics involves the replacement of missing dental tissues that have been lost due to disease, trauma or developmental causes using removable appliances. The unit includes study of specialist prosthodontic techniques used for facial reconstruction and obturation of residual palatal clefts. This cross-references with aspects of Oral & Maxillofacial Surgery. Each prosthesis must be individually designed for each patient to restore, as far as possible, normal masticatory (chewing) function, facial aesthetics, speech and related psychological functions. The use and fabrication of removable partial and complete dentures is practiced in laboratory and clinical environments.
Course Code: [DENT4304]  
Course Title: CONSERVATIVE DENTISTRY II (110 hours)  
Number of Credits:  
Prerequisites:  
Co-requisites:  
Course Description: Operative (Conservative) Dentistry involves the restoration of tooth structure and function following the ravages of dental caries (decay), trauma or correction of developmental defects. Topics include preventive aspects and cariology, pulpal injuries and therapy, crown & bridge, root canal therapy (endodontics) and cosmetic dentistry, including the use of veneers. Extra-coronal and intra-coronal restoration of teeth using tooth coloured materials, ceramics and precious or semi-precious metals are studied and practised.

Course Code: [DENT4305]  
Course Title: ORTHODONTICS II (65 hours)  
Number of Credits:  
Prerequisites:  
Course Description: These units study the causes, prevention and management of disturbances of dental occlusion arising from disharmony between jaw size and tooth size/number. Growth pattern studies through childhood to the adult stage are important to understand the prognosis of orthodontic treatment in each patient. There is a strong aesthetic and psychological component to this type of dental treatment. The lecture series covers early interceptive orthodontic treatment, re-alignment of teeth by tilting or rotation methods and consideration of Maxillofacial Surgery referral. The use of removable and fixed appliance techniques is studied. The unit is supported with clinical and laboratory experience.

Course Code: [DENT4306]  
Course Title: PAEDIATRIC DENTISTRY II (460 hours)  
Number of Credits:  
Prerequisites:  
Course Description: Paediatric Dentistry considers the differences between the dental treatment of children compared with that of adults. Topics included are common childhood diseases, the management and prevention of dental trauma and rampant dental caries. Preventive techniques such as dietary analysis, fluoride use and fissure sealant therapy are practiced. The dynamic and continuous changes in the dentition and occlusion of children, due to growth and development, are studied. The approach to the behavioural management of the normal and handicapped child dental patient is also examined in detail. The unit is supported with clinical and laboratory experience.
DDS FINAL EXAMINATIONS/ASSESSMENT

The final DDS Phase II Part II examinations take place in May/June of the Final (5th) Year. Re-sits are held in November/December.

There are THREE SECTIONS:

• SECTION I RESTORATIVE DENTISTRY (DENT 5320)
  DENT 5320 Comprising of DENT 3202, DENT 3203, DENT 3207, DENT 4302, DENT 4303 and DENT 4304

• SECTION II CHILD DENTAL HEALTH (DENT 5330)
  DENT 5330 Comprising of DENT 4200, DENT 4201, DENT 3208, DENT 3209 DENT 4305 and DENT 4306

• SECTION III ORAL DISEASES (DENT 5340)
  DENT 5340 Comprising of DENT 4204, DENT 4205, DENT 2206, DENT 4300 and DENT 4301

Each Section comprises:
  a. Written Paper
  b. Clinical Examination
  c. Viva voce examination

Candidates who do not reach the minimum (50%) pass mark required in each of the written and clinical examinations in each Section, at one and the same sitting, shall fail that part.

Candidates are required to re-sit all the components of any one Section failed. For a second attempt, the Internal Assessment mark in the Section(s) failed will be carried forward. For a third attempt, the entire Final Year must be repeated in the Section(s) failed and a new, pass-level, Internal Assessment mark obtained.

WRITTEN PAPERS
Each written paper will consist of FOUR essay or short-answer type questions covering the related course codes. All questions must be attempted. Model answers will be provided to the Examiners indicating how accumulation of marks will be determined. The usual External Examiner scrutiny applies.

CLINICAL EXAMINATIONS

• SECTION I – RESTORATIVE DENTISTRY (DENT 5320)
  Candidates will be required to present to, and discuss with, the examiners TWO adult cases for which they have carried out restorative treatments over a period of time. Case 1 shall be a patient where the provision of a course of comprehensive treatment, involving several aspects of restorative dentistry, has been completed. A logbook of the treatment given at each appointment together with the initial examination, history and treatment plan shall be presented to the Examiners. Any subsequent alterations to the initial treatment plan should be accounted for, with reasons.

  The other Case II, shall be a presentation to the examiners of a completed upper and lower cobalt-chromium partial denture prosthodontic case with a treatment logbook as for Case I.

Both patients must be selected, and approved as suitable, in consultation with the Internal Examiners concerned.

• SECTION II - CHILD DENTAL HEALTH (DENT 5330)
  Candidates will be required to present to, and discuss with, the examiners TWO child cases for ONE of which they have carried out treatment over a period of time. Case 1 shall be a patient where the provision of a course of comprehensive treatment, involving several aspects of Paediatric Dentistry, including Preventive Dentistry, and possibly Orthodontics, has been completed. A written case report on this patient’s diagnosis and treatment plan shall be presented to the Examiners for oral discussion. Any alterations to the treatment plan should be accounted for, with reasons.

  The other case will be a previously unseen orthodontic case. Candidates will be given 20 minutes to examine the case, which would consist of study models, a DentoPanTomogram, a lateral cephalometric radiograph and clinical photographs. Each candidate would then be given 10 minutes to present the case and be examined regarding the orthodontic treatment of the patient.

• SECTION III - ORAL DISEASES (DENT 5340)
  Candidates will be presented with a previously unseen case, take a full history, perform a clinical examination and formulate a treatment plan. The case will then be discussed with the Examiners.

VIVA VOCE EXAMINATIONS
These will involve a 15-minute discussion with the examiners relating to the subject matter concerned.

INTERNAL ASSESSMENTS
These will be conducted by each of the clinical dental divisions concerned and involve patient, laboratory and theoretical evaluations as well as professionalism, punctuality and clinic attendance. Candidates who fail to meet the required 50% pass mark in an Internal Assessment shall not be permitted to enter for any of the Final Examinations.

Each internal assessment contributes 32% towards the overall final mark in each Section of the Final Examinations. The assessments will be scrutinised by the External Examiner concerned.

In each Section of the Final Examination, the Internal Assessment mark will be derived as follows:

RESTORATIVE DENTISTRY:
• Periodontology 8%
• Conservation/Endodontics 8%
• Prosthodontics 8%
• Crown & Bridge 8%

NB. Ethics & Jurisprudence is included here. The end of course internal assessment in this subject MUST be passed.
CHILD DENTAL HEALTH:
• Paediatric Dentistry 8%
• Orthodontics 8%
• Preventive Dentistry 8%
• Community Dentistry/ Dental Public Health 8%

ORAL DISEASES:
• Final Examination of the Oral Disease Unit (4th Year) 6%
• Oral Surgery & Dental Radiology examination (5th Year) 6%
• Oral Disease viva voce examination (5th Year) 10%
• Oral Medicine Clinical examination (5th Year) 10%

Summary of marks allocation for the Final DDS PHASE II, Part 2 Examinations

Each section carries 250 marks including written, viva voce and clinical examination. However, the final marks are presented out of 100% in each section.

SECTION I
RESTORATIVE DENTISTRY 100%; PASS = 50%

WRITTEN PAPER
(40% of Section I)
Minimum pass = 20%

CLINICAL
(20% of Section I)
Minimum pass = 10%

VIVA VOCE
(8% of Section I)

INTERNAL ASSESSMENTS
(32% of Section I)
Minimum pass = 16% to enter the Final Examinations.

SECTION II
CHILD DENTAL HEALTH 100%; PASS 50%

WRITTEN PAPER
(40% of Section II)
Minimum pass = 20%

CLINICAL
(20% of Section II)
Minimum pass = 10%

VIVA VOCE
(8% of Section II)

INTERNAL ASSESSMENTS
(32% of Section II)
Minimum pass = 16% to enter the Final Examinations.

SECTION III
ORAL DISEASES
PASS = 50%

WRITTEN PAPER
(40% of Section III)
Minimum pass = 20%

CLINICAL
(20% of Section III)
Minimum pass = 10%

VIVA VOCE
(8% of Section III)

INTERNAL ASSESSMENTS
(32% of Section III)
Minimum pass = 16% to enter the Final Examinations.

INTENTION MARKING SCHEME TO BE USED FOR ALL EXAMINATIONS & ASSESSMENTS

This system uses performance-related NUMERICAL GRADES to assign a final recorded percentage mark, for each assessment or examination, as follows: