

## **REGULATIONS FOR THE DEGREE OF BACHELOR OF DENTAL SURGERY (BDS)**

*These regulations are applicable to students admitted to the 6-year BDS curriculum in the academic year 2012-2013 and thereafter.*

*(See also General Regulations and Regulations for First Degree Curricula)*

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**D1** A candidate for admission to the curriculum leading to the award of the Degree of Bachelor of Dental Surgery must show evidence satisfactory to the Board of the Faculty of Dentistry of the ability to understand and profit from the learning experiences to be undertaken.

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**D2** To be eligible for admission to the degree of Bachelor of Dental Surgery, a candidate shall

- (a) comply with the General Regulations and the Regulations for First Degree Curricula; and
- (b) complete the curriculum and have been assessed as having made satisfactory progress in learning and attainment of proficiencies throughout the First, Second, Third, Fourth, Fifth and Final Years of the curriculum.

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**D3** The curriculum shall extend over not fewer than six years, including twelve academic semesters and such inter-semester learning periods and vacations as may be prescribed, and shall include all assessments as may be prescribed by the Board of Undergraduate Studies. Candidates shall not in any case be permitted to extend their studies beyond the maximum period of registration of nine academic years.

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**D4** To complete the curriculum, all candidates shall complete the following studies to satisfy the requirements of UG5 of the Regulations for First Degree Curricula, in addition to the Professional Core learning in Dentistry prescribed:

- (a) 12 credits in English language enhancement, including 6 credits in Core University English<sup>1</sup> and 6 credits in an English in the Discipline course;
- (b) 6 credits in Chinese language enhancement<sup>2</sup>;
- (c) 36 credits of courses in the Common Core Curriculum, selecting not more than one course from the same Area of Inquiry within one academic year and at least one and not more than two courses from each Area of Inquiry during the whole period of study; and
- (d) a capstone experience.

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**D5** Candidates shall select Common Core courses in accordance with these regulations and the guidelines specified in the syllabuses before the beginning of each semester. Changes to the selection of Common Core courses may be made only during the add/drop period of the semester in which the course begins, and such changes shall not be reflected in the transcript of the candidate. Requests for changes after the designated

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<sup>1</sup> Candidates who have achieved Level 5\*\* in English Language in the Hong Kong Diploma of Secondary Education Examination, or equivalent, may at the discretion of the Faculty be exempted from the requirement for Core University English and should take an elective course in lieu, see *Regulation UG6 of the Regulations for First Degree Curricula*.

<sup>2</sup> Putonghua-speaking students must take CUND9002 or CUND9003. Students who have not studied the Chinese language during their secondary education or who have not attained the requisite level of competence in the Chinese language to take CDEN9001 can apply to the Faculty:

- (i) to take credit-bearing Cantonese or Putonghua language courses offered by the School of Chinese (especially for international and exchange students), or
- (ii) for exemption from Chinese language requirement and take an elective course in lieu.

add/drop period of the semester shall not normally be considered unless supported by the Director of Common Core Curriculum. Candidates withdrawing from any University courses without permission after the designated add/drop period shall be given a fail grade.

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**D6** To complete the curriculum in Dentistry, all candidates shall follow the Professional Core in Dentistry and complete the requirements of UG5 of the Regulations for First Degree Curricula as prescribed in the syllabuses and shall have been assessed as having made satisfactory progress in assessments and tests of learning outcomes and professional competences throughout. The Professional Core in Dentistry includes, but is not limited to, learning in the biomedical sciences relevant to Dentistry, behavioural and social sciences related to Dentistry, professional dental practice and clinical dental sciences.

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**D7** Self-assessment, peer assessment and tutor assessment are used throughout the Professional Core to help each candidate in the evaluation of his or her progress in self-directed learning. Candidates shall be assessed in each semester and during inter-semester periods. Assessment may be conducted in any one or any combination of the following manners: written assignments, tests and examinations; problem-based evaluation exercises; continuous assessment of learning progress and performance; practical and clinical assessments, including tests for the attainment of proficiencies; laboratory work, field work, research and project reports; oral examinations and presentations; or in any other manner as specified in the syllabuses.

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**D8** Assessments are conducted throughout the Professional Core (both during semesters and inter-semester periods) and are not only conducted at the end of each semester.

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**D9** Credit-bearing learning activities, or components thereof, in which a candidate is given a fail grade or in which a candidate has been assessed as having failed to make satisfactory progress, shall be recorded on the transcript of the candidate.

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**D10** Candidates who fail to complete satisfactorily, or who fail to make satisfactory progress in the Professional Core or the UG5 required studies in any academic year may be required to sit a re-assessment or repeat a year of study in the manner specified by the Board of the Faculty or be recommended for discontinuation of study. Candidates who are required to repeat a year of study may be required to continue learning in parts of the Professional Core or the UG5 requirements in which they have been assessed as having made satisfactory progress. In such an event the assessment outcomes obtained in both years shall be recorded on the transcript of the candidate.

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**D11** Before a candidate may be considered to have completed the degree curriculum in Dentistry, the candidate concerned shall bring evidence that he or she will have completed his or her twenty-first year of age by June 30 of the calendar year in which the assessment of his or her progress in learning and tests for his or her attainment of proficiencies are due to finish.

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**D12** Candidates who are unable, because of illness, to be present for any assessment exercise may apply for permission to present themselves at a supplementary assessment to be held before the beginning of the First Semester of the following academic year. Any application for such permission shall be made on the form prescribed within two weeks of the first day of the candidate's absence from any assessment exercise. Any supplementary assessment shall be part of that academic year's assessments, and the provisions made in the regulations for failure at the first attempt should apply accordingly.

**D13** Advanced standing may be granted to candidates in recognition of studies completed successfully elsewhere before admission to the University. The amount of credits to be granted for advanced standing shall be determined by the Board of the Faculty, in accordance with the following principles:

- (a) at least half the number of credits of the degree curriculum normally required for award of the degree shall be accumulated through study at this University; and
  - (b) under the provisions in Statute III.5 and notwithstanding the granting of advanced and/or transfer credits, a minimum of two years of study at this University shall be required before the candidate is considered for the award of the degree.
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**D14** The degree of Bachelor of Dental Surgery may be awarded with Honours. A list of candidates with the award of Honours shall be posted on Faculty notice boards.

# SYLLABUSES FOR THE DEGREE OF BACHELOR OF DENTAL SURGERY

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## A. PROGRAMME STRUCTURE

The degree curriculum in Dentistry is an integrated programme in which the study of biomedical sciences, of behavioural and social sciences and of professional practice relevant to Dentistry forms the foundation for and continues alongside the study of clinical dental sciences.

Programme level learning outcomes and a set of competency statements, covering the competences expected of a graduate from the undergraduate curriculum of the Faculty of Dentistry, The University of Hong Kong, have been produced and will be available to students. The competences are grouped into the following ten subdivisions:

- (a) Professionalism;
- (b) Ethics and jurisprudence;
- (c) Communication;
- (d) Knowledge base and information handling;
- (e) Patient assessment and diagnosis of disease;
- (f) Treatment planning;
- (g) Delivery of oral health care;
- (h) Management of dental and medical emergencies and complications arising from the delivery of oral health care;
- (i) Oral health promotion and health education; and
- (j) Oral health care in the community of the HKSAR and China.

Where appropriate, it is expected that students are assessed as having achieved the stated competences before graduation from the undergraduate curriculum in Dentistry.

Learning takes place through problem-based learning tutorials, self-directed study, seminars, demonstrations, practical classes, field trips, ward teaching and supervised clinical care for patients, with some large-group interactive workshops and lectures to supplement the learning opportunities listed above. Whenever practicable, students are rostered to small groups.

The degree curriculum extends over six academic years and is divided into twelve semesters and the inter-semester periods. The degree curriculum thus consists of the Professional Core relevant to Dentistry and the requirements specified in UG5 of the Regulations for First Degree Curricula. The Professional Core consists of three types of credit-bearing activities. These are Integrated Semesters (IS) of which there are two per year, Clinical Skills Blocks (CSB) of one to two month's duration and Integrative Projects (IP) which are dedicated cross-curricular projects conducted across the final years. Each credit-bearing learning activity is coded from DENT1001 – DENT6131. The UG5 requirements consist of English language enhancement (CAES1000 & CAES9350), Chinese language enhancement (CDEN9001), Common Core courses and a capstone experience.

Capstone Experience: The final year 'Portfolio' represents a culmination of student learning activities across the Professional Core. Required elements in the portfolio include, but are not limited to, case presentations, written reports and reflections.

Graduating competences are provided to all students. Learning outcomes are written for each year of the curriculum to guide students in their study. Detailed schedules will be provided for each semester and inter-semester/clinical skills periods. These, and further specific instructions to students, are made available by the Faculty Office, 6/F, Prince Philip Dental Hospital and via the student Learning Management System.

Self-assessment, peer assessment and tutor assessment are used throughout the Professional Core to help each student in the evaluation of his or her progress in self-directed study. Formal assessments are conducted in each of the twelve semesters and during inter-semester periods.

Attendance is required for tutorials, seminars, demonstrations, practical classes, field trips, ward teaching and clinical care sessions. A satisfactory performance in formal assessments and learning generally, including oral health care delivery for patients, is required for continued progress throughout the Professional Core to graduation.

Students are provided structured guidance for and access to learning resources throughout the Professional Core.

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### **First, Second, Third, Fourth, Fifth and Sixth Years (Professional Core)**

As progress is made from the First to the Sixth Years, students' exposure to the clinical dental sciences and professional dental practice progressively increase. However while the learning of the biomedical sciences and the behavioural and social sciences relevant to Dentistry may reduce, it does not cease at any stage throughout the degree curriculum. Use is made of problems, scenarios and cases relevant to Dentistry to stimulate the learning in four designated knowledge domains: biomedical sciences relevant to Dentistry, clinical dental sciences, behavioural and social sciences related to Dentistry and professional dental practice.

#### **Biomedical Sciences Relevant to Dentistry**

Learning takes place of gross topographical anatomy, microanatomy, oral anatomy, neuroanatomy and pre-natal and post-natal developmental growth of head and neck structures. The basic principles of biological and biophysical chemistry, including biologically active molecules, metabolism, oral tissue function and immunology, are studied. Cellular and tissue physiology in so far as they help in the understanding of body systems are studied. An understanding of the principles of drug action, with emphasis on those drugs encountered in dental care delivery, is fostered.

Learning takes place of basic pathological processes – tissue injury and healing, inflammation and infection, tumour growth and immunology – relevant to Dentistry. The behaviour and role of microorganisms in the causation of human diseases relevant to Dentistry are studied. The principles and practice of medicine in the management of human diseases relevant to Dentistry are studied and learning takes place of basic surgical principles and the surgical management of human diseases relevant to Dentistry. Particular emphasis is placed on appropriate and effective communication between medical and dental professional colleagues in the delivery of oral health care to medically compromised patients. Students are expected to be able to demonstrate and to maintain proficiency in cardio-pulmonary basic life support.

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#### **Clinical Dental Sciences**

Learning occurs progressively across the range of clinical dental sciences and associated subjects which include: cariology and the epidemiology, causes, prevention and management of dental caries including the restoration of teeth for children and adults; pulp disease, dental trauma and endodontic treatment; periodontology and the epidemiology, causes, prevention and management of periodontal diseases; cranio-facial growth and development, including dental malocclusions and their prevention, diagnosis and orthodontic management; oral diagnosis, including oral radiology; oral diseases, including their causes, clinical presentations, surgical pathology and surgical management; oro-facial pain and its control, including sedation and anaesthesia; biomaterials in relation to oral health care; dental public health including the provision and administration of oral health care; oral rehabilitation to acceptable function; and dental technology.

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#### **Behavioural and Social Sciences Related to Dentistry**

Psychology and sociology relevant to oral health and oral health care are studied. Learning takes place on communication in relation to oral health promotion and oral health care.

## Professional Dental Practice

Learning occurs mainly in the final years and includes understanding the principles of management of a dental practice including: auxiliary staff and physical resources, dental practice promotion, ethics and jurisprudence and continuing professional development.

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### B. SYLLABUSES

#### First Year

**DENT1001 Dentistry-1 (12 credits)**  
**DENT1002 Dentistry-2 (15 credits)**  
**DENT1030 Clinical Skills Block (3 credits)**  
**CAES1000 Core University English (6 credits)**

#### **Common Core Courses (24 credits)**

*(Students are required to select four courses in the Common Core Curriculum, selecting not more than one course from the same Area of Inquiry.)*

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#### Second Year

**DENT2001 Dentistry-3 (18 credits)**  
**DENT2002 Dentistry-4 (24 credits)**  
**DENT2030 Clinical Skills Block (6 credits)**

#### **Common Core Courses (12 credits)**

*(Students are required to select two courses in the Common Core Curriculum. Of the six Common Core courses to be taken in the First and Second Years, students shall select at least one and not more than two courses from each Area of Inquiry.)*

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#### Third Year

**DENT3001 Dentistry-5 (27 credits)**  
**DENT3002 Dentistry-6 (27 credits)**  
**DENT3030 Clinical Skills Block (6 credits)**

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#### Fourth Year

**DENT4001 Dentistry-7 (24 credits)**  
**DENT4002 Dentistry-8 (24 credits)**  
**DENT4030 Clinical Skills Block (6 credits)**  
**CDEN9001 Practical Chinese for Dentistry Students (6 credits)**

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#### Fifth Year

**DENT5001 Dentistry-9 (21 credits)**  
**DENT5002 Dentistry-10 (18 credits)**  
**DENT5030 Clinical Skills Block (6 credits)**  
**DENT5032 Community Health (9 credits)**  
**CAES9350 Academic English for Dentistry (6 credits)**

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## Sixth Year

<b>DENT6101</b>	<b>Dentistry-11 (27 credits)</b>
<b>DENT6102</b>	<b>Dentistry-12 (27 credits)</b>
<b>DENT6130</b>	<b>Clinical Skills Block (3 credits)</b>
<b>DENT6131</b>	<b>International Clinical Experience (3 credits)</b>

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### **CAES1000    Core University English (6 credits)**

The Core University English (CUE) course aims to enhance first-year students' academic English language proficiency in the university context. CUE focuses on developing students' academic English language skills for the Common Core Curriculum. These include the language skills needed to understand and produce spoken and written academic texts, express academic ideas and concepts clearly and in a well-structured manner and search for and use academic sources of information in their writing and speaking. Students will also complete four online-learning modules through the Moodle platform on academic grammar, academic vocabulary, citation and referencing skills and understanding and avoiding plagiarism. This course will help students to participate more effectively in their first-year university studies in English, thereby enriching their first-year experience.

Assessment: 60% coursework, 40% written examination

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### **CAES9350    Academic English for Dentistry (6 credits)**

The *Academic English for Dentistry* (henceforth AED) course, focusing on both written and oral English, aims to offer adjunct/parallel language support to the integrative Community Health Project offered by the Faculty of Dentistry, and to further enhance BDS V students' academic literacy in scientific research. In the AED course, students will develop effective language skills in their written presentation of the Community Health Project. Input will also be given to enhance students' ability to deliver a professional oral presentation of the project appropriate to the purpose of the research and the audience. The course also moves towards enhancing academic literacy in scientific research by allowing students to apply the understanding of disciplinary research and presentation to other academic and professional contexts.

Assessment: 100% coursework

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### **CDEN9001    Practical Chinese for Dentistry Students (6 credits)**

The course is designed to enable students to gain a mastery of the varieties of the Chinese language as used in the field of Dentistry. It introduces students to various techniques for the effective use of practical Chinese. The course will familiarize students with traditional Chinese characters, simplified Chinese characters, modern Chinese grammar and rhetoric through outcomes-based assignments. Special training that is intended to sharpen students' presentation skills in Cantonese and Putonghua will also be provided.

Assessment: 50% coursework, 50% written examination