

# BACHELOR OF DENTAL SURGERY PROGRAMME

Semester 10



Faculty of Dental Sciences  
University of Peradeniya  
2026



# **Bachelor of Dental Surgery Programme**

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## INTRODUCTION

The main aim of the Bachelor of Dental Surgery (BDS) is to impart the graduates with knowledge, skills and attitudes necessary to make a significant contribution towards promotion, restitution, preservation and maintenance of acceptable oral health and function, which are integral parts of overall health of an individual.

The first four semesters of the BDS study programme have provided the students with pre-requisite knowledge and skills necessary to commence the second phase of the programme from fifth to eighth semesters. The second phase provided the students thorough supervised hands-on clinical training in dentistry, enabling them to be adequately skilled to proceed to the third and the final phase of clinical training. This final phase aims to prepare the students to make rational decisions in clinical practice and for independent practice later as a General Dental Practitioner.

The ninth semester intends to introduce the students into clinical training through a holistic approach for patient care under the course, 'Comprehensive Oral Health Care 1' (COHC 1) [DS 5102]. COHC training will take place in a polyclinic set-up in Comprehensive Oral Health Care Clinic. The students will also advance their clinical skills training under 'Adult Oral Health Care' stream (AOH 3) [DS 5101], while they receive a good grasp on theoretical concepts and clinical exposure under the course 'Advanced Treatment Clinic 1' (ATC 1) [5103]. At the same time the students will execute a research project under the course 'Research Project' [5104] within the ninth semester. Students have already received the prerequisite knowledge and applications in research as they have completed a course in 'Basic Statistics and Research Methodology' during the 7<sup>th</sup> semester.

Upon successful completion of the requirements of the ninth semester, the students shall move to the tenth and the last semester in their BDS Study Programme where they will be further trained under four courses namely, Adult Oral Health Care 4 (AOH 4) [DS 5201], Comprehensive Oral Health Care 2 (COHC 2) [DS 5202], 'Advanced Treatment Clinic 2' (ATC 2) [5203] and a new course introduced to them on 'Maxillofacial Surgical Care' [5204] where they will receive a thorough training in maxillofacial surgical care for the training requirement as future House Officers.

Students are expected to follow all appointments diligently, as they should be competent and confident to practice dentistry more independently at the end of this final year of their BDS training.

## **10<sup>TH</sup> SEMESTER COURSES**





Assessment		Percentage Mark		
In-course		50%	35%	Grades obtained for Academic ability, Clinical ability & Professionalism Presentation of a adult patient suitable for GP level (End of follow-up care) – History, assessments, diagnosis & Rx planning and completed follow up case
			15%	Assessment of a geriatric Patient - History, assessments, diagnosis & Rx planning. Carry out a given treatment procedure
End-semester	Clinical	50%	20%	02 Short Cases –child patients (10 minutes each, for 20 minutes)
			30%	03 Short Cases –adult patients (10 minutes each, for 30 minutes)

<b>Course No:</b>	<b>DS 5203</b>
<b>Course title:</b>	<b>Advanced Treatment Clinic 2</b>
<b>Credit value:</b>	<b>2</b>
<b>Pre-requisites:</b>	<b>Should have followed all courses up to the end of 9<sup>th</sup> semester</b>
<b>Aims:</b> This course aims to make the students aware of the newer and more advanced procedures that may be employed in the treatment of complex dental and oral diseases and conditions.	
<b>Intended learning outcomes:</b> On successful completion of learning the students should be: <ul style="list-style-type: none"> <li>➤ Able to carry out molar endodontics and restore endodontically-treated teeth</li> <li>➤ Able to plan and restore partially edentulous space with bridges or removable partial dentures</li> <li>➤ Able to manage traumatized dentition</li> <li>➤ Familiar with, and able to assist in clinical procedures such as implant-supported prostheses, maxillo-facial prostheses, specialized periodontal surgical procedures, indirect restorations and fixed orthodontic appliances</li> <li>➤ Familiar with dental management of children and elderly patients with special health needs.</li> </ul>	
<b>Time Allocation (Hours):</b>	<b>Clinical 90                      Self learning hours: 10</b>
<b>Course content:</b> Molar endodontics and restoration of endodontically treated teeth. Restoration of partially edentulous space with bridges / RPD. Management of traumatized dentition, Indirect Restorations, Geriatric Dentistry. Aesthetic periodontal surgery, Implants & implant-supported prostheses, maxillo-facial prostheses. Advancements in Orthodontics.	
Students should continue to maintain the log-book on all procedures/clinical activities under these courses, DS 5103 & DS 5203.	

**Recommended References/ Prescribed Textbooks**

1. J Lindhe. 2008. Clinical Periodontology and Implant Dentistry. 5<sup>th</sup> ed. /latest
2. H Wolf. 2014. Color Atlas of Dental Medicine. Periodontology. 3<sup>rd</sup> ed. /latest

<b>Assessment</b>		<b>Percentage Mark</b>	
In-course		20%	Discussion based on the logbook entries
End-semester	Practical/Clinical	80%	10 OSCEs/OSPEs

<b>Course No:</b> DS 5204 <b>Course title:</b> Maxillofacial Surgical Care <b>Credit value:</b> 4 <b>Pre-requisites:</b> Should have followed all courses up to the end of 9th semester		
<b>Aim:</b> The aim of this course is to provide the students an opportunity to learn in-ward care of patients, assisting in operation theatre and ward procedures/ ICU procedures and management of medical emergencies in a dental clinic.		
<b>Intended learning outcomes:</b> On successful completion of learning the students should be: <ul style="list-style-type: none"> <li>➤ Familiar with all routine ward, operating theatre and ICU procedures</li> <li>➤ Competent in the immediate management of medical and dental emergencies</li> <li>➤ Able to manage medical emergencies on a dental chair</li> <li>➤ Able to carry out / assist in minor oral surgical procedures</li> </ul>		
<b>Time Allocation (Hours):</b> <b>Clinical 180</b> <b>Self learning hours: 20</b>		
<b>Course Content:</b> Routine Ward, ICU and Theatre procedures and patient care: Pre-operative assessment in relation to surgery and anaesthesia, Preparation for the operation - history, examination and investigations, assisting in a surgical procedure, Recovery of patients, Post operative management, Discharge from the hospital. Medical and dental emergencies (Immediate management): Syncope, Acute respiratory, obstruction and arrest, (including anaesthetic emergencies), Acute chest pain, Cardiac arrest, Anaphylactic shock, Collapse of a patient with history of cortico-steroid therapy, Cerebro-vascular accidents, Fits, Asthmatic attacks, Drug reactions and interactions, Maxillofacial injuries, Haemorrhage, Inhaled foreign bodies.		
<u>Details/Plan:</u> Students will follow a rotation in the dental ward, operating theater, ICU, MOT and PCU/ accident and emergency units in teaching hospital Kandy and Peradeniya as indicated. Students are supposed to work during weekends and public holidays and engage in after-hours to be familiarized with routine of in-ward and emergency care. Students will be assigned to supervisors (OMF Surgeons and Anesthetists) and should have weekly discussions for feedback and reflection. A training on portfolio-writing shall be arranged.		
In-ward management of patents	1. In-ward team and ward routine 2. Admission and discharging a patient and follow up 3. Recording of history, examination details, ordering investigations, consent for the surgery 4. Systems examination 5. Prescribing medication rationally	60 hrs

	6. Pre and post-operative care including ward procedures – venepuncture, catheterization etc 7. Premedication 8. Documentation, consent, data protection and maintaining confidentiality, ethics and professionalism and communicating bad news 9. Infection control – surgical environment, hospital infections, MRSA, Hand hygiene 10. On call, Accident and emergency	
Operating theatre familiarization	1. OT team and routine 2. OT discipline 3. WHO check list 4. Scrubbing and gowning 5. Assisting in surgery 6. Familiarization with OT instruments 7. Post op recovery 8. Record keeping 9. Specimen handing	30 hrs
ICU	1. ICU team and routine 2. Equipment in the ICU 3. Principles of ICU Monitoring of patients	18 hrs
PCU	Familiarization with accident and emergency and basics of management of emergencies	24 hrs
MOT	Performing minor oral surgery under supervision, communication with patients, use of sedation in minor oral surgery, managing complications, record keeping and follow up of patients	48 hrs
Students will maintain a portfolio during this appointment with details of patients and procedures.		

#### Recommended References/ Prescribed Textbooks

1. TA Turvey, JR Scully, PD Whaite, BJ Costelo and RL Ruiz. 2009. Oral and Maxillofacial Surgery Volume I, II and III. 2<sup>nd</sup> ed. /latest
2. JR Hupp, E Ellis and MR Tucker. 2008. Contemporary Oral and Maxillofacial Surgery. 5<sup>th</sup> ed. /latest

Assessment		Percentage Mark	
In-course		20%	20% - CPR
End-semester	Practical/Clinical	80%	Assessment 1 – (30%) – 04 OSCEs Assessment 2 – (50%) - Portfolio Viva