

# DENT90067 Child & Adolescent Oral Health 1

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| <b>Credit Points:</b>                    | 12.5   |
| <b>Level:</b>                            | 9 (Graduate/Postgraduate)  |
| <b>Dates &amp; Locations:</b>            | 2016, Parkville<br>This subject commences in the following study period/s:<br>June, Parkville - Taught on campus.  |
| <b>Time Commitment:</b>                  | Contact Hours: 81 (indicative) Total Time Commitment: 81 contact hours (indicative), 80 non-contact hours (indicative)   |
| <b>Prerequisites:</b>                    | Successful completion of all 1st Semester (Teaching Blocks 1 and 2) 2nd Year DDS subjects.   |
| <b>Corequisites:</b>                     | None.  |
| <b>Recommended Background Knowledge:</b> | None.  |
| <b>Non Allowed Subjects:</b>             | N/A.   |
| <b>Core Participation Requirements:</b>  | <p>&lt;p&gt;For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.&lt;/p&gt;         &lt;p&gt;It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>  |
| <b>Coordinator:</b>                      | Dr Siew-May Loo  |
| <b>Contact:</b>                          | <p><b>Melbourne Dental School</b></p> <p>Currently enrolled students:</p> <p># General information: <a href="https://ask.unimelb.edu.au">https://ask.unimelb.edu.au</a> (<a href="https://ask.unimelb.edu.au">https://ask.unimelb.edu.au</a>)</p> <p># Email: <a href="mailto:enquiries-STEM@unimelb.edu.au">enquiries-STEM@unimelb.edu.au</a> (<a href="mailto:enquiries-STEM@unimelb.edu.au">mailto:enquiries-STEM@unimelb.edu.au</a>)</p>   |
| <b>Subject Overview:</b>                 | <p>This subject is a continuation of Growth Studies which is a component of Oral Structure and Function 2 in first year. It will be conducted as a pre-clinical subject and has 2 components: Paediatric Dentistry and Orthodontics.</p> <p>In the specialty of Paediatric dentistry, student learning will include: oral diagnosis and treatment planning for children; sealants and preventive resin restorations; dental radiographic techniques pertaining to children and adolescents; restorative procedures in primary and mixed dentition; behaviour management of pre-cooperative children in a clinical setting; conscious sedation and general anaesthesia for young patients; techniques of administering local anaesthesia to young patients; fluoride therapies; cleft lip and palate; molar incisor hypomineralisation; pulpal therapy for children; oral pathology in infants and young children; gingivitis and periodontal disease in children; management of dento-alveolar trauma in children; dietary counselling for families; space maintenance; management of traumatic injuries in the primary dentition; crossbite management and infant's first dental visit.</p> <p>In the speciality of orthodontics, student learning will include the following: knowledge in applying common terminology related with dento-facial growth and development; endocrinology of human growth; appreciation of qualitative and quantitative measurements of growth and development; appreciation of the relevance of growth assessment in the clinical setting; identification of how occlusion develops from the primary to permanent dentition and arch</p> |

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|                           | dimensional changes that occur in this time and familiarity with the use of common interceptive treatments and orthopaedics in treatment planning.   |
| <b>Learning Outcomes:</b> | <p>On completion of this subject, students should be able to achieve the following in relation to paediatric dentistry:</p> <ol style="list-style-type: none"> <li>1 a patient-centred approach to patient care;</li> <li>2 responsibility and safety in the dental management of young persons under their care;</li> <li>3 effective communication with young persons in the dental situation;</li> <li>4 an understanding of the importance of prevention, identification, assessment and treatment of oral diseases, as opposed to the episodic management of symptomatic oral problems;</li> <li>5 accurate examination and accurate records, diagnoses and treatment plan prior to commencement of care of the young person;</li> <li>6 an accurate production, interpretation and critique of intra-oral and extra-oral radiographs of the young patient;</li> <li>7 appreciation of the value of maintenance of oral health after treatment of child and adolescents including those with advanced or complicated problems;</li> <li>8 appreciation of the need for specialist referral for those patients who cannot be successfully managed in general practice;</li> <li>9 management of the behavioural aspects of young patients in the dental setting.</li> </ol> <p>In relation to orthodontics, students should also:</p> <ol style="list-style-type: none"> <li>1 understand the relevance of growth assessment in the clinical setting and be able to apply common terminologies related to dentofacial growth and development;</li> <li>2 appreciate that disruption to this orderly process can lead to disorders of the dentofacial region and orthodontic problems;</li> <li>3 be able to identify various orthodontic problems and understand their prevalence and aetiology;</li> <li>4 be familiar with how to perform a comprehensive orthodontic assessment and understand the indications for treatment;</li> <li>5 be able to identify developing teeth and anomalies radiographically and perform a basic cephalometric analysis;</li> <li>6 be able to list diagnostic factors, specifying particular problems for individual patients, and providing possible solutions in a prioritised overall patient treatment plan;</li> <li>7 be familiar with the principles of treatment of various malocclusions including the common interceptive, orthodontic and maxillofacial procedures involved;</li> <li>8 be familiar with the basic scope and limitations of common orthodontic treatments to enable discussion and explanation of treatment with patients and parents;</li> <li>9 have the knowledge to make appropriate referrals based on a clinical assessment.</li> </ol> |
| <b>Assessment:</b>        | 1 x 1 hour computer-based short-answer test on paediatric dentistry and orthodontics at the end of Block 3 (20%). Continuous assessment of pre-clinical laboratory cavity preparation procedures pertaining to paediatric dentistry and orthodontics throughout Blocks 3 and 4 (20%); 1 x 3 hour written examination on paediatric dentistry and orthodontics at the end of Block 4 (60%). Hurdle Requirements: 75% attendance at Lectures; 100% attendance at Seminars/ Tutorials, Practical Classes (including Laboratory Sessions), and Pre-Clinical Sessions   |
| <b>Prescribed Texts:</b>  | None   |
| <b>Recommended Texts:</b> | <p>Cameron AC and Widmer RP <b>2008 <i>Handbook of Pediatric Dentistry</i></b> 3 rd ed, Mosby</p> <p>Hall RK <b>1994 <i>Pediatric Oro-facial Medicine and Pathology</i></b> Chapman and Hall Medical</p> <p>Koch G, Poulsen S <b>2009 <i>Pediatric Dentistry: A Clinical Approach</i></b> 2 nd ed, Wiley-Blackwell</p> <p>McDonald RE, Avery DR and Dean JA <b>2011 <i>Dentistry for the Child and Adolescent</i></b> 9 th ed, Mosby</p> <p>Profitt WR, Fields HW, Ackerman JL, Sinclair PM, Thomas PM and Tulloch JFC <b>2007 <i>Contemporary Orthodontics</i></b> 5 th ed, Mosby</p> <p>Scully CM and Welbury R <b>1994 <i>Color Atlas of Oral diseases in Children and Adolescents</i></b> Wolfe</p> <p>Therapeutic guidelines – Oral and Dental. Therapeutic Guidelines Limited, Melbourne, 2012</p>   |
| <b>Breadth Options:</b>   | This subject is not available as a breadth subject.  |

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| <b>Fees Information:</b>  | Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>  |
| <b>Generic Skills:</b>    | Students should:<br><ol style="list-style-type: none"><li>1 be able to access new knowledge from different sources, analyse and interpret it in a critical manner;</li><li>2 develop skills in effective communication with teaching staff and peers;</li><li>3 develop effective organisational skills and time management;</li><li>4 develop skills in team work and workplace safety;</li><li>5 be able to identify and address their own learning needs.</li></ol> |
| <b>Related Course(s):</b> | Doctor of Dental Surgery   |