

## DENT90066 Oral Structure and Function 2

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	This subject is not offered in 2014.
<b>Time Commitment:</b>	Contact Hours: 87 (indicative) Total Time Commitment: 87 contact hours (indicative), 32 non-contact hours (indicative)
<b>Prerequisites:</b>	Successful completion of 1st Year Teaching Blocks 1 and 2 (Semester 1) DDS subjects.
<b>Corequisites:</b>	None.
<b>Recommended Background Knowledge:</b>	None.
<b>Non Allowed Subjects:</b>	N/A.
<b>Core Participation Requirements:</b>	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>
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<b>Subject Overview:</b>	<p>This subject is a continuation of Oral Structure and Function 1. It will be conducted as a preclinical subject and has the following components: radiography and radiology, growth studies, occlusion and complete dentures. Student learning in Block 3 will include: introduction to dental radiology; dental radiographic techniques and interpretation of radiographs. Human growth phases and the influence this has on the provision of dental treatment in the specialities of paediatric dentistry and orthodontics is also introduced.</p> <p>The specialty of Prosthodontics will commence in Block 4 and will cover the changes of orofacial structures that occur after tooth loss and how these affect oral health and function. Students will also learn the construction of complete dentures through a series of interactive lectures, videos and laboratory practical sessions "Occlusion" of the teeth will be learnt through lectures and preclinical laboratory practical sessions to provide students with the necessary skills for application in clinical dental practice in DDS 2nd year. Students will learn the process of mounting dentate maxillary and mandibular casts on a dental articulator and will acquire skills in construction of occlusal splints. This subject will include the learning of jaw relationships, teeth and muscles of mastication and the learning of articulators which are used for construction of indirect prostheses and for analysis of diagnostic casts during treatment planning.</p> <p>100% attendance at CAL and practical/laboratory sessions is expected.</p>
<b>Learning Outcomes:</b>	<p>On completion of this subject, students should be able to:</p> <ol style="list-style-type: none"> <li>1 summarise the terminology and nomenclature of oral anatomy essential for basic dental science;</li> <li>2 accurately produce radiographs and other non-invasively produced images of the jaws, facial skeleton and temporo-mandibular joint, on manikins;</li> <li>3 interpret and critique radiographic images of the jaws, facial skeleton and temporo-mandibular joint;</li> <li>4 understand the principles of x-ray production and their application to radiation safety;</li> <li>5 analyse different occlusal relationships of the natural dentition;</li> </ol>

	<p>6 analyse the growth stages (general, facial, dental) to distinguish normal from abnormal patterns and their relationship to provision of dental care;</p> <p>7 build on previous knowledge and be able to analyse implications of tooth loss;</p> <p>8 comprehend appraisal of the patient requiring removable complete dentures;</p> <p>9 discuss and review clinical and laboratory steps involved in construction of complete dentures;</p> <p>10 develop laboratory technical skills in construction of complete dentures;</p> <p>11 comprehend growth phases of the human body and their relevance to dental treatment in the specialties of orthodontics and paediatric dentistry.</p>
<b>Assessment:</b>	<p>Radiology practical log books (5%) and 1 x 1 hour written examination (10%) on radiography and radiology at the beginning of Block 4 (15%); 2 x 30 minute computer-based short answer tests in growth studies - one in Block 3 and one in Block 4 (20%); Continuing assessment on removable prosthodontics laboratory sessions (15%); Attendance at removable prosthodontics CAL and laboratory sessions (5%); 1 x 1 hour written exam on removable prosthodontics and occlusion at the end of Teaching Block 4 (20%) 1 x 2 hour MCQ test on growth studies at the end of Block 4 (25%). Formative Feedback: 2 x 15 minute OSCE-based removable prosthodontics clinical scenarios during Block 4.</p>
<b>Prescribed Texts:</b>	None
<b>Recommended Texts:</b>	<p>Basker RM, Davenport JC (eds) <b>2002 <i>Prosthetic Treatment of the Edentulous Patient</i></b> Oxford:Blackwell Munksgaard</p> <p>Berkovitz BKB, Holland GR and Moxham BJ (eds) <b>2009 <i>A Colour Atlas and Text of Oral Anatomy, Histology and Embryology</i></b> 4th ed, Mosby, St Louis</p> <p>Carr AB, McGiveny GP, Brown DT (eds) <b>2005 <i>McCracken's Removable Partial Prosthodontics</i></b>, 11th ed, Mosby, St Louis.</p> <p>Davenport JC, Basker RM, Heath JR, Ralph JP, Glantz PO (eds) <b>2000 <i>A Clinical Guide to Removable Partial Denture Design</i></b>, 3rd ed, British Dental Journal, London.</p> <p>McCord JF and Grant AA <b>2000 <i>A Clinical Guide to Complete Denture Prosthodontics</i></b> (series of articles in the British Dental Journal)</p> <p>Profitt W Contemporary <b><i>Orthodontics</i></b>, 4th ed, Chapters 1-4</p> <p>Zarb GA, Hobkirk J, Eckert S and Jacob R (eds) <b>2012 <i>Prosthetic Treatment of Edentulous Patients: Complete Dentures and Implant-Supported Prosthodontics</i></b>, 13th ed, Mosby, St Louis</p>
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<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>	<p>Students should:</p> <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 develop skills of 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