

DENT20003 Dental Practice 2

Credit Points:	50
Level:	2 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Year Long, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 232 hours of lectures, tutorials, practical/laboratory classes, problem-based learning (PBL) and clinical activities Total Time Commitment: Not available
Prerequisites:	Successful completion of all Year 1 subjects.
Corequisites:	None.
Recommended Background Knowledge:	None.
Non Allowed Subjects:	None.
Core Participation Requirements:	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, Generic Skills 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: http://www.services.unimelb.edu.au/disability/
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Subject Overview:	This subject comprises three modules: <i>Oral Biology:</i> The causation, natural history, clinical appearance and prevention of dental caries and periodontal diseases and the treatment of periodontal diseases; the biochemistry of teeth, supporting structures and saliva; the molecular nature of odontogenesis and biomineralisation, calcium phosphate chemistry and oral diseases and mucosal immunity; history taking, examination, diagnosis and treatment planning in the clinical context; local analgesia administration. <i>Human Development and Behaviour:</i> The physical and psycho-social concepts relating to the growth and development process, emphasising normal patterns; growth and maturation, cognitive and emotional development and functioning; oral anatomy and histology; aspects of radiography. <i>Dental Materials Science and Conservative Dentistry:</i> Materials used in conservative operative procedures when treating dental caries and operative/surgical interventions for dental caries.
Objectives:	By completion of this subject, the dental student should: (1) Comprehend: a) the principles of the relationship between oral health, behaviour and oral diseases; b) the processes of somatic, physiological and psychological growth and development; c) the properties and uses of dental materials; d) the principles involved in protecting oral tissues against diseases and the maintenance of oral functional integrity;

	<p>e) the fundamentals of the processes of dental caries and periodontal diseases; and f) the principles of intra-oral radiography and radiation protection.</p> <p>(2) Have developed: a) the capacity for independent learning and for critical reasoning required for student-directed and problem-based learning; b) skills in: • assessing human growth and development; • history-taking, clinical oral examination and patient management; • intra-oral radiography and local analgesia administration. c) technical skills in the use of dental materials; d) manual dexterity skills in the conservative treatment of dental caries and periodontal diseases;</p> <p>(3) Appreciate: a) the importance of diagnosis, treatment planning and accurate record-taking in patient care; b) the principles of practice in a clinical environment; c) the dynamics of the patient/health professional relationship. d) the importance of the maintenance of oral health in treated patients; and e) the need for precision, accuracy and self-evaluation.</p>
Assessment:	Three 2-hour written examinations, one at the end of Semester 1 and two at the end of Semester 2, assessment of preclinical and clinical work throughout the year and continuing and PBL assessment. Students will be permitted to proceed to clinical work only after having satisfactorily completed the preclinical units.
Prescribed Texts:	None.
Recommended Texts:	<p>*Berkovitz BKB, Holland GR and Moxham BJ 1992 <i>A Colour Atlas and Text of Oral Anatomy, Histology and Embryology</i> 2nd ed, Wolfe Medical</p> <p>*Bhaskar SN (ed) 1990 <i>Orban's Oral Histology and Embryology</i> 11 thed, Mosby</p> <p>*Takei H, Newman MG and Carranza FA Jr 2002 <i>Carranza's Clinical Periodontology</i> 9th ed, Saunders</p> <p>OR</p> <p>Lindhe J, Kagging T and Lang N 2003 <i>Clinical Periodontology and Implant Dentistry</i> 4th ed, Munksgaard</p> <p>OR</p> <p>Wilson TG and Kornman KS 2002 <i>Fundamentals of Periodontics</i> Quintessence</p> <p>*Jordan RE, Abrams L and Kraus BS 1992 <i>Kraus' Dental Anatomy and Occlusion</i> 2nd ed, Mosby</p> <p>*Schwartz RS, Summitt JB and Robbins JW 2001 <i>Fundamentals of Operative Dentistry. A Contemporary Approach</i> 2nd, ed, Quintessence</p> <p>Anusavice KJ 2003 <i>Phillips' Science of Dental Materials</i> 11th ed, Saunders</p> <p>England MA 1990 <i>A Color Atlas of Life Before Birth: Normal Fetal Development</i> Wolfe Medical</p> <p>Falkner F and Tanner JM 1986 <i>Human Growth Vol 2 Postnatal Growth</i> 2nd ed, Plenum Press</p> <p>Gainsford ID and Dunne SM 1992 <i>Silver Amalgam in Clinical Practice</i> 3rd ed, Wright</p> <p>Geboy MJ, Muzzio TC and Stark AM 1985 <i>Communication and Behavior Management in Dentistry</i> Williams and Wilkins</p> <p>Jacobson A 1995 <i>Radiographic Cephalometry from basics to video imaging</i> Quintessence</p> <p>Kidd EAM and Joyston-Bechal S 1997 <i>Essentials of Dental Caries: The Disease and its Management</i> 2nd ed, Oxford University Press</p> <p>Kidd EAM and Smith BGN 1996 <i>Pickard's Manual of Operative Dentistry</i> 7th ed, Oxford University Press</p> <p>Moore KL and Persaud TVN 1993 <i>The Developing Human: Clinically Oriented Embryology</i> 5th ed, Saunders</p> <p>Mount GJ 1994 <i>An Atlas of Glass Ionomer Cements: A Clinician's Guide</i> 2nd ed, Dunitz</p>

	<p>Murray JJ (ed) 1996 <i>Prevention of Oral Disease</i> 3rd ed, Oxford University Press</p> <p>Nizel AE 1989 <i>Nutrition in Preventive Dentistry: Science and Practice</i> , 3rd ed, Saunders</p> <p>Sinclair D and Dangerfield P 1998 <i>Human Growth after Birth</i> 6th ed, Oxford University Press</p> <p>Ten Cate AR 1998 <i>Oral Histology: Development, Structure and Function</i> 5th ed, Mosby - Year Book Inc</p> <p>Thylstrup A and Fejerskov O 1994 <i>Textbook of Clinical Cariology</i> 2nd ed, Munksgaard</p> <p>Tyas MJ and Harcourt JK (eds) 2006 <i>Practical Guides for Successful Dentistry</i> 6th ed, Australian Dental Association</p> <p>*Indicates Essential Reading</p>
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	<p>On completion of this subject, students should have developed the following skills:</p> <ul style="list-style-type: none"> # Independent learning; # Critical reasoning; # Manual dexterity; and # Precision, accuracy and self-evaluation.
Related Course(s):	Bachelor of Dental Science