

## DENT30003 Dental Practice 3

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| <b>Credit Points:</b>                    | 62.50  |
| <b>Level:</b>                            | 3 (Undergraduate)  |
| <b>Dates &amp; Locations:</b>            | 2011, Parkville<br>This subject commences in the following study period/s:<br>Year Long, Parkville - Taught on campus.   |
| <b>Time Commitment:</b>                  | Contact Hours: 215 hours of lectures, seminars, tutorials, student-directed learning, clinical and practical (laboratory) work Total Time Commitment: Not available  |
| <b>Prerequisites:</b>                    | Successful completion of all 2nd Year BDS subjects.  |
| <b>Corequisites:</b>                     | None   |
| <b>Recommended Background Knowledge:</b> | None   |
| <b>Non Allowed Subjects:</b>             | None   |
| <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, 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: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>   |
| <b>Coordinator:</b>                      | Dr Matt Hopcraft   |
| <b>Contact:</b>                          | Melbourne Dental School<br>4th Floor, 720 Swanston Street<br>Telephone: +61 3 9341 1500<br>Email: <a href="mailto:enquiries@dent.unimelb.edu.au">enquiries@dent.unimelb.edu.au</a><br><a href="http://www.dent.unimelb.edu.au/">http://www.dent.unimelb.edu.au/</a>  |
| <b>Subject Overview:</b>                 | <p>This subject comprises three modules:</p> <p><i>Restorative Dentistry:</i> The formulation of an integrated treatment plan for simple cases needing a combination of periodontal, conservative and/or removable prosthetic dental treatment; completion of complex forms of conservative dental treatment; principles of restoration of badly damaged teeth; taking and making diagnoses from 'routine' dental radiographs; selection and use of dental materials; principles of complete denture construction including simulation of clinical procedures, technical skills required in construction of complete dentures, the formulation of appropriate treatment plans integrating removable prostheses; the principles and prescription of a partial denture design; the construction of simple metal and acrylic partial dentures; principles of occlusion and communication with members of the dental team. Students must be familiar with the dental materials used in this unit. A reading list can be accessed on LMS.</p> <p><i>Oral Health Practice:</i> Continued emphasis on the primary prevention of dental caries and the prevention and treatment of periodontal diseases; measurement and understanding of the patterns of oral diseases in the community using epidemiological and statistical tools; designing, conducting and presenting dental research in the form of a basic oral health survey.</p> <p><i>Growth and Development:</i> The principles relating to the normal growth process, particularly dental and skeletal development and maturation; social and behavioural development of children and adolescents; growth prediction and its clinical application; recognition of normal and aberrant growth and occlusal patterns; the diagnosis of malocclusion and the extrapolation to future treatment needs; biomechanical and clinical aspects of orthodontics.</p> |

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| <b>Objectives:</b>        | <p>On completion of this subject, students should:</p> <p>Comprehend:</p> <ul style="list-style-type: none"> <li># The application of epidemiology to solving dental public health problems;</li> <li># The value and use of topical fluorides and other caries preventive measures;</li> <li># Normal and abnormal growth and its assessment;</li> <li># The principles of :             <ol style="list-style-type: none"> <li>1 intra-oral radiography and radiation protection;</li> <li>2 patient management;</li> <li>3 conservative management of destructive lesions of the teeth and their supporting structures;</li> <li>4 occlusion and occlusal analysis;</li> </ol> </li> <li># Use of dental materials in a clinical setting;</li> <li># Pain management through the use of local analgesia;</li> <li># The sequelae of the loss of all or part of the dentition, and complete and partial denture therapy;</li> <li># The fundamentals of clinical periodontics.</li> </ul> <p>Have developed skills in:</p> <ul style="list-style-type: none"> <li># Collection, analysis and presentation of oral health data;</li> <li># Communication, counselling and patient management;</li> <li># Clinical oral examination, diagnosis and treatment planning of simple cases;</li> <li># Intra-oral radiography and local analgesia administration;</li> </ul> <p>Have developed:</p> <ul style="list-style-type: none"> <li># Psychomotor skills in the conservative treatment of dental caries and periodontal diseases; and</li> <li># Clinical skills for the treatment of edentulous and partially dentate patients.</li> </ul> <p>Appreciate:</p> <ul style="list-style-type: none"> <li># The needs and difficulties associated with instituting effective preventive programs at an individual and community level;</li> <li># The concepts of total patient care and the dentist's responsibility for the safe and effective management of persons in the dental situation; and</li> <li># The need for precision, accuracy and self-evaluation.</li> </ul> |
| <b>Assessment:</b>        | <p>One 2-hour written examination at the end of Semester 1 (20%); Two 2-hour written examinations at the end of Semester 2 (each worth 20%); Practical laboratory examinations and a 15-minute viva voce examination at the end of Semester 2, continuing laboratory and clinical assessment (35%); Performance in seminars, one written assignment of no more than 1000 words and group presentation and written research project of no more than 3000 words (5%). A pass in Section 3 and in each of the written examinations in Section 2 is required for an overall pass in this subject.</p>   |
| <b>Prescribed Texts:</b>  | <p>None</p>   |
| <b>Recommended Texts:</b> | <ul style="list-style-type: none"> <li>* Klineberg I, <b><i>Occlusion: Principles and Assessment</i></b>, Wright, 1991</li> <li>* Shillingburg HT, Hobo S and Whitsett LD <b><i>Fundamentals of Fixed Prosthodontics</i></b>, 2nd ed, Quintessence, 1981</li> <li>* Takei H, Newman MG and Carranza FA Jr <b><i>Carranza's Clinical Periodontology</i></b>, 10th ed, Saunders, 2006</li> </ul> <p><b>OR</b></p> <p>Lindhe J, Kagging T and Lang N <b><i>Clinical Periodontology and Implant Dentistry</i></b>, 5th ed, Munksgaard, 2008</p> <p><b>OR</b></p> <p>Wilson TG and Kornman KS <b><i>Fundamentals of Periodontics</i></b>, Quintessence, 2002</p>   |

- \* Fejerskov O and Kidd E ***Dental Caries The Disease and its Clinical Management***, 2nd ed, Munksgaard, 2008
- \* Goaz PW and White SC ***Oral Radiology: Principles and Interpretation***, 3rd ed, Mosby, 1994
- \* Ranly DM ***A Synopsis of Craniofacial Growth***, 2nd ed, Appleton and Lange, 1988
- \* Thylstrup A and Fejerskov O ***Textbook of Clinical Cariology***, 2nd ed, Munksgaard, 1994
- Anusavice KJ ***Phillips' Science of Dental Materials***, 11th ed, Saunders, 2003
- Brocklebank L ***Dental Radiology – Understanding the X-Ray Image, Oxford University Press, 1997***
- Craig RG ***Restorative Dental Materials*** 10 th ed, Mosby, 1997
- Davenport JC, Basker RM, Heath JR and Ralph JP ***A Colour Atlas of Removable Partial Dentures***, Wolfe Medical, 1988
- Enlow DH and Hans MG ***Essentials of Facial Growth***, Saunders, 1996
- Freer TJ ***Orthodontic Diagnostic Principles***, University of Queensland, 1997
- Geboy MJ, Muzzio TC and Stark AM ***Communication and Behavior Management in Dentistry***, Williams and Wilkins, 1985
- Grant AA and Johnson W ***Removable Denture Prosthodontics***, 2nd ed, Churchill Livingstone, 1992
- Grant DA, Stern IB and Listgarten MA (eds) ***Periodontics in the Tradition of Gottlieb and Orban***, 6th ed, Mosby, 1988
- Gray RJM, Davies SJ and Quayle AA ***Temporomandibular Disorders: A Clinical Approach***, British Dental Association, 1995
- Kantorowicz GF (ed) ***Inlays, Crowns and Bridges: A Clinical Handbook***, 5 th ed, Wright, 1993
- Kidd EAM and Smith BGN ***Pickard's Manual of Operative Dentistry***, 7th ed, Oxford University Press, 1996
- Langland OE and Langlais RP ***Principles of Dental Imaging***, Williams & Wilkins, 1997
- Malamed SF ***Handbook of Local Anaesthesia***, 3rd ed, Mosby, 1990
- Mitchell DA and Mitchell L ***Oxford Handbook of Clinical Dentistry, Oxford University Press, 1991***
- Murray JJ (ed) ***Prevention of Oral Disease***, 3rd ed, Oxford University Press, 1996
- Nizel AE ***Nutrition in Preventive Dentistry: Science and Practice*** , 3rd ed, Saunders, 1989
- Pine CM (ed) ***Community Oral Health***, Wright, 1997
- Profitt WR and Fields HW ***Contemporary Orthodontics***, 3rd ed, Mosby, 1999
- Saunders, Elsevier (ed) ***Dentistry, Dental Practice and the Community***, (BA Burt and SA Eklund), 6 th ed., 2005
- Shillingburg HT, Jacobi R and Brackett SE ***Fundamentals of Tooth Preparations for Cast Metal and Porcelain Restorations***, 2nd ed, Quintessence, 1991
- Thomson H ***Occlusion***, 2nd ed, Wright, 1990
- Walqvist ML (ed) ***Food and Nutrition in Australia***, 3rd ed, Nelson, 1988
- Walton RE and Torabinejad M ***Principles and Practice of Endodontics***, 2nd ed, Saunders, 1995
- Watt DM and McGregor AR ***Designing Complete Dentures***, 2nd ed, Wright, 1986
- Watt DM and McGregor AR ***Designing Partial Dentures***, Wright, 1984
- World Health Organization ***Oral Health Surveys: Basic Methods***, 3rd ed, WHO, 1987
- Wright ***Community Oral Health***, 1997
- \* Indicates Essential Reading

**Breadth Options:**

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>    | On completion of this subject, students should have developed skills in: <ul style="list-style-type: none"><li># Collection, analysis and presentation</li><li># Communication and counseling</li><li># Basic clinical procedures</li><li># Precision, accuracy and self-evaluation</li></ul> |
| <b>Related Course(s):</b> | Bachelor of Dental Science  |