DENT90071 Preclinical Dental Practice 4

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: June, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 128 (indicative) Total Time Commitment: 128 contact hours (indicative), 32 non-contact hours (indicative)
Prerequisites:	Successful completion of all Teaching Blocks 1 and 2 (Semester 1) 2nd year DDS 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 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. 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: http://services.unimelb.edu.au/disability
Coordinator:	Dr Kenny Chong
Contact:	**Melbourne Dental School** Currently enrolled students: # General information: **https://ask.unimelb.edu.au (https://ask.unimelb.edu.au/)** # Email: **enquiries-STEM@unimelb.edu.au (mailto:enquiries-STEM@unimelb.edu.au)**
Subject Overview:	This subject covers the principles, techniques and materials used in the practice of the specialty areas of fixed prosthodontics and endodontics. Students will attend a series of lectures and comprehensive practical classes on each of these dental specialties. In fixed prosthodontics, students will learn preparation of teeth for crowns in manikins.
Learning Outcomes:	On completion of this subject students should be able to: 1 recognise basic endodontic instruments and use them appropriately in a pre-clinical environment; 2 identify pulp chambers and canals using knowledge of pulpal anatomy and radiographic interpretation; 3 recognise canal sytems with extreme curvatures, calcifications and other complicating anatomical features; 4 appropriately prepare access cavities for all tooth categories; 5 correctly determine working length of the root canals; 6 prepare uncomplicated root canals for all tooth categories using rotary NiTi instruments; 7 identify and properly discard rotary NiTi files that are no longer safe to use; 8 understand the modes of rotary NiTi file fracture; 9 develop skills to minimise the risk of file fracture;

	10 adequately fill uncomplicated root canals of all tooth categories using the matched taper cone and the lateral compaction technique; 11 identify, prevent and manage procedural errors that may occur during endodontic treatment; 12 self-assess the quality of the endodontic treatment performed; 13 summarise the terminology and nomenclature of endodontics and fixed prosthodontics essential for basic dental science; 14 comprehend appraisal of the patient requiring fixed prosthodontics for the replacement of missing teeth and/or endodontic treatment; 15 develop clinical psychomotor skills in tooth preparation for fixed prosthodontics; 16 discuss and review clinical and laboratory steps involved in construction of different fixed prostheses; 17 discuss CAD/CAM dentistry and its relevance to current fixed prosthodontics.
Assessment:	1 x 3 hour practical exam on fixed prosthodontics at the end of Block 3 (20%); 1 x 3 hour practical exam on endodontics at the end of Block 3 (20%); 1 x 2 hour written paper on fixed prosthodontics and endodontics at the end of Block 4 (20%); 1 x 3 hour practical exam on fixed prosthodontics at the end of Block 4 (20%); 1 x 3 hour practical exam on endodontics at the end of Block 4 (20%). A pass in Section 1 is s pre-requisite to commencement of clinical sessions. Students must satisfactorily complete this subject prior to commencing patient treatment. Hurdle Requirements: 75% attendance at Lectures; 100% attendance at Practical Classes (including Computer Assisted Learning [CAL] & Laboratory Sessions)
Prescribed Texts:	None
Recommended Texts:	Rosentiel SF et al **2006** ***Contemporary Fixed Prosthodontics*** 4 th ed, Mosby Elsevier Shillingburg HT et al **1997** ***Fundamentals of Fixed Prosthodontics*** 3 rd ed, Quintessence Publishing Walsch H **2004** ***The Hybrid Concept of Nickel-Titanium Rotary Instrumentation*** Dental Clinics of North America 48, 183-202. Walton RE, Torabinejad M **2008** ***Endodontics: Principles and Practice*** 4 th ed, WB Saunders Company Young GR, Parashos P, Messer HH **2007** ***The Principles of Techniques for Cleaning Root Canals*** Australian Dental Journal 52, S52-63.
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:	Students should: 1 be able to access advanced knowledge from different sources, analyse and interpret it in a critical manner that can be applied to the clinical situation; 2 develop skills in effective communication with teaching staff and peers; 3 develop effective organisational skills and time management; 4 develop skills in teamwork and workplace safety; 5 be able to identify and address their own learning needs.
Related Course(s):	Doctor of Dental Surgery