

511-324 Scientific Principles of Surgical Prac.

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 60 hours of lectures, seminars, tutorials and student-directed learning. Total Time Commitment: Not available
Prerequisites:	Successful completion of all Year 2 subjects.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>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.</p> <p>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</p></p>
Coordinator:	Mr Andrew Smith
Subject Overview:	<p>This subject comprises two modules.</p> <p><i>Surgery:</i> Principles and practice of surgery; surgical pathology of acute and chronic infection; control of infection; cancer, head and neck surgery.</p> <p><i>Oral Medicine, Pathology and Surgery:</i> Causes and processes of oral diseases affecting human beings; application of basic and clinical sciences knowledge to the clinical situation, individuals and the community; pathology of the jaws, the salivary glands, temporomandibular joints, oral mucosae, teeth and periodontium; examination and diagnostic methods and the dentist's responsibility for the safe and effective management of patients.</p>
Objectives:	<p>By completion of the subject, the dental student should:</p> <p>(1) Comprehend:</p> <ul style="list-style-type: none"> a) the surgical pathology of acute and chronic infection; b) the role of immunity in surgical disease; c) antibiotic usage in surgical practice; d) the processes of wound healing and management; e) the distribution of body fluids and the diagnosis and treatment of fluid abnormalities; f) the pathology, treatment and prevention of cancer; g) the principles of analgesic usage; h) airways management and respiratory support; i) the diagnosis and treatment of common surgical conditions affecting the head and neck including face, oral cavity, accessory nasal sinuses, salivary glands, oesophagus and thyroid; j) the application of pathology principles to the oral region; k) the pathological basis of commonly occurring oral diseases and the oral manifestations of systemic diseases; l) the less commonly occurring diseases, their development and their effect on the patient; m) basic surgical principles as applied to dental practice.

	<p>(2) Have developed:</p> <p>a) the basic clinical skills required to recognise surgical conditions affecting the head and neck; and</p> <p>b) basic first aid skills necessary to manage acute surgical conditions of head and neck.</p> <p>(3) Appreciate:</p> <p>a) the pathological processes underlying the manifestation of surgical conditions;</p> <p>b) the need to evaluate the whole patient when assessing a localised surgical problem;</p> <p>c) the importance of the application of sound surgical principles in the management of traumatic, infective and neoplastic processes affecting the head and neck;</p> <p>d) the fundamental role that oral medicine, pathology and surgery has in the prevention and management of oral disease; and</p> <p>e) that oral disease must be related to the whole patient.</p> <p>(4) Be able to:</p> <p>a) describe the clinical, radiographic and histopathological features of oral pathological disorders; and</p> <p>b) discuss their aetiology and management, including therapeutic and surgical management as well as other treatment modalities.</p>
Assessment:	One 3-hour written examination at the end of Semester 2 and continuing clinical and written assessment (consisting of two short-answer written papers of no more than 1 hour each) during the semester.
Prescribed Texts:	None
Recommended Texts:	<p># *Dudley HAF and Waxman B (eds) 1989 <i>An Aid to Clinical Surgery</i> 4th ed, Churchill Livingstone</p> <p># Liechty RD and Soper RT 1989 <i>Fundamentals of Surgery</i> 6th ed, Mosby</p> <p># Soames JV and Southam JC 1998 <i>Oral Pathology</i> 3rd ed, Oxford University Press</p> <p># Wray D, Lowe GD, Dagg SH, Felix DH and Scully C 1999 <i>Textbook of General and Oral Medicine</i>, Churchill Livingstone</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># Basic clinical procedures</p> <p># Basic first aid procedures</p>
Links to further information:	http://www.unimelb.edu.au/HB/2008/subjects/511-324.html
Related Course(s):	Bachelor of Dental Science