

514-225 Biomedical Science and Nursing 2

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus. On campus
Time Commitment:	Contact Hours: Thirty-six hours lectures, tutorials and seminars Total Time Commitment: Students are expected to devote approximately 6-10 hours per week to this subject.
Prerequisites:	514222 Biomedical Science and Nursing 1.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	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 courses. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the Course Coordinator and the Disability Liaison Unit.
Coordinator:	Ben Barkla
Subject Overview:	<p>This subject introduces students to the pathophysiology of some common disorders across the life span and considers implications for patients/families/carers. Cancer and conditions that alter cardio vascular, respiratory, gastrointestinal, nervous systems, and mental functioning will be examined. The physiological basis for the action of some groups of drugs will be studied and the students will examine aspects of pharmacokinetics and pharmacodynamics.</p> <p>At the completion of this subject students will be able to:</p> <ul style="list-style-type: none"> # identify the occurrence of common pathological processes across the life-span; # describe conditions affecting oxygenation and perfusion; # describe specific considerations relating to behavioural abnormalities; # begin to understand the concepts of pharmacokinetics and Pharmacodynamics; # discuss common medical and other treatment modalities including drug therapy commonly used for patients with common pathological conditions; and # discuss implications of common pathological conditions for patients, families and carers;
Assessment:	One 1000-word written assignment - 20% One 1000-word written assignment - 20%Two-hour written examination - 60%Students must achieve an aggregate score of 50% in the subject and must pass the two-hour written examination to achieve a pass in the subject.
Prescribed Texts:	Psychiatric mental health nursing, 3rd edn (N Frisch and L Frisch), USA: Delmar/Thomson Learning, 2006 Pathophysiology: the biological basis for disease in adults and children, 4th edn (K McCance and S Huether), St Louis: Mosby, 2002 Pocket guide to APA style (R Perrin), Houghton Mifflin College: Boston, 2004 Stedman's medical dictionary for the health professions and nursing. Australian and New Zealand edition, 5th edn (Stedman), Lippincott, Williams and Wilkins: Philadelphia, 2005 Anatomy and physiology, 5th edn (G Thibodeau and K Patton), St Louis: Mosby, 2003
Recommended Texts:	# Fundamentals of pharmacology: a text for nurses and allied health professionals, 3rd edn (A Galbraith, S Bullock and E Manias), South Melbourne: Addison Wesley Longman, 2004

	# Study and review guide to accompany anatomy and physiology, 5th edn (G Thibodeau and K Patton) , St Louis: Mosby
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:	At the completion of this subject students will be able to demonstrate: <ul style="list-style-type: none"> # critical thinking, problem-solving and analytical skills; # the capacity for information seeking, retrieval and evaluation; # communication of knowledge using written and oral presentation methods using appropriate scientific language
Links to further information:	http://www.nursing.unimelb.edu.au/
Notes:	n/a