513-662 Cardiorespiratory Science

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: 30 hours of seminars, tutorials, demonstrations and 30 hours of self-directed learning and class presentations. Total Time Commitment: Students are expected to undertake a number of hours of self directed learning in this subject. Approximately 60 hours of self directed learning is suggested.
Prerequisites:	For Postgraduate Certificate: 513-699 Physiotherapy Professional Portfolio
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 Linda Denehy
Subject Overview:	This subject is designed to build on undergraduate knowledge of cardiorespiratory applied anatomy and respiratory and cardiovascular physiology. It will include study of applied anatomy of the respiratory muscles, mechanics of ventilation and radiological anatomy. The physiology will be divided into cardiovascular and respiratory sections and be studied using a combination of case based class discussions and seminar presentations.
Assessment:	Four tutorial papers in physiology of up to 1,000 words each (50%), class presentation of an integrated clinical problem highlighting basic cardiovascular or respiratory physiology (20%), contribution to group learning (10%), written assignment of 1,500 words (20%).
Prescribed Texts:	None
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:	**Generic Skills:** On completion of the subject, students will be expected to be able to demonstrate: # An appreciation of the team approach to learning in complex areas # Development of critical thinking and analytical skills # The capacity to manage competing demands on time, including self directed learning # An appreciation of the importance of, and development of, good written and verbal communication skills and to articulate knowledge **Specific Skills:**

	On completion of the subject, students will be expected to be able to demonstrate: # Relate knowledge of radiological anatomy to interpretation of chest-x rays and CT scans # Acquire a sound knowledge of how anatomical, mechanical, physiological and pathophysiological factors influence the cardiorespiratory system # Acquire a sound theoretical knowledge of the physiology of the cardiovascular and respiratory systems and the ability to apply this to clinical scenarios # Relate applied anatomy and physiology to clinically important diagnostic and treatment procedures
Links to further information:	http://www.physioth.unimelb.edu.au/programs/pgrad/index.html
Related Course(s):	Doctor of Clinical Physiotherapy (Coursework) Master of Physiotherapy (Cardiorespiratory Physiotherapy) Master of Physiotherapy (General) CW Master of Physiotherapy (Neurological Physiotherapy) Master of Physiotherapy (Paediatric Physiotherapy) Master of Physiotherapy (Women's Health and Pelvic Floor Physiotherapy) Postgraduate Certificate in Physiotherapy (Cardiorespiratory Acute Care) Postgraduate Certificate in Physiotherapy (Cardiorespiratory Exercise)