

# 513-303 Cardiorespiratory Pathophysiology 1

<b>Credit Points:</b>	25.00
<b>Level:</b>	3 (Undergraduate)
<b>Dates &amp; Locations:</b>	2009, This subject commences in the following study period/s: Year Long, - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: Equivalent of 114 hours throughout third year. 76 hours lectures, tutorials, practical classes and self-directed learning. Six weeks (24 hours per week) clinical placement Total Time Commitment: Students will need to allow time for self-directed learning. The following hours are given as minimum requirements: 1 hour pre/post reading for lectures, 2 hours per hour of tutorial sessions and 2 hours extra per week for practical classes. Third year students will need to spend approximately 2 hours per day in study and at least 2 extra hours per week practising clinical skills.
<b>Prerequisites:</b>	This subject is not available as a single subject. Students must be currently enrolled in the Bachelor of Physiotherapy to undertake this subject.
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt;         &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>
<b>Coordinator:</b>	Dr Laura Browning
<b>Subject Overview:</b>	<p>On completion of this subject, students should comprehend the mechanisms by which the pathophysiology, history and physical examination of medical and surgical cardiorespiratory conditions are integrated to produce a problem list from which an effective physiotherapy management plan is derived. Students will have developed skills in managing uncomplicated medical and surgical patients including accurate assessment, performance of basic techniques and the ability to safely implement and modify these as necessary. The theoretical component will cover the evidence for and the use of cardiorespiratory techniques, the role of exercise in both respiratory and cardiac conditions and the management of paediatric cardiorespiratory conditions. It will build on theory gained in Cardiorespiratory Systems in second year. Equipment used in the management of cardiorespiratory patients will also be studied. Clinical practice will emphasise performance of assessment and treatment skills and an ability to formulate basic management plans for medical and surgical patients.</p>
<b>Objectives:</b>	<p>The specific objective of the third year cardiothoracic teaching is to be safe and effective in the management of less complicated medical and surgical patients by the end of the student's clinical placement. Patients who are intubated and ventilated in ICU will be seen in Year 4. An understanding of physiology, pharmacology and pathology is critical to the student's management of such patients and most of this is covered in Year 2 and the first theory block of Year 3 for cardiothoracic physiotherapy.</p>
<b>Assessment:</b>	Clinical: continuous clinical assessment (40%), and clinical examination (10%). Theory: case presentation (5%), end of theory block 2-hour written examination (20%); and a 2-hour written

	examination at the end of the year (25%). Students must pass both clinical and theoretical components of the assessment in order to pass the subject.
<b>Prescribed Texts:</b>	Physiotherapy for Respiratory and Cardiac Problems - Adults and Paediatrics (JA Pryor and SA Prasad), 4th Edn, Churchill Livingstone, 2008
<b>Recommended Texts:</b>	# <b>Respiratory Physiology - The Essentials</b> (JB West), 7th Edn, Lippincott, Williams and Wilkins 2005
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<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>	<p>At the completion of this subject, it is expected that students will have the following generic skills:</p> <ul style="list-style-type: none"> <li># Ability to apply a problem-solving approach to patient management</li> <li># The capacity to communicate effectively and participate as a collaborative team member</li> <li># Be open to and have the ability to analyse new ideas with respect to current research-based knowledge</li> </ul>