

School of Health Sciences		
PHTY3020: Cardiopulmonary Physiotherapy II		
Callaghan Semester 1 - 2024		
OVERVIEW		
Course Description	<p>Physiotherapy clinical skills and knowledge needed for the evaluation and management of complex disorders of the cardiopulmonary system across the lifespan. The course involves advanced studies in physiotherapy practice related to the pulmonary, cardiac and vascular systems, including surgical care.</p> <p>This course is only available to students enrolled in the Bachelor of Physiotherapy (Honours) program.</p>	CRICOS Provider 00109J
Academic Progress Requirements	Nil	
Requisites	This course is only available to students enrolled in the Bachelor of Physiotherapy (Honours) program 12337. Students must have successfully completed PHTY2040 and HUBS2505.	
Assumed Knowledge	All year 1 and 2 Courses in the B PHTY (Hons)	
Contact Hours	<p>Callaghan Lecture Face to Face On Campus 3 hour(s) per week(s) for 11 week(s) starting Week 1</p> <p>Tutorial Face to Face On Campus 2 hour(s) per week(s) for 12 week(s) starting Week 1</p>	
Unit Weighting	10	
Workload	Students are required to spend on average 120-140 hours of effort (contact and non-contact) including assessments per 10 unit course.	

CONTACTS

Course Coordinator	Callaghan Mrs Rachel Fehlberg Rachel.Fehlberg@newcastle.edu.au Consultation:
Teaching Staff	Other teaching staff will be advised on the course Canvas site.
School Office	School of Health Sciences Room 302, ICT Building Callaghan SchoolHealthSciences@newcastle.edu.au +61 2 4921 7053

SYLLABUS

Course Content	<p>1. Aetiology, epidemiology, pathogenesis and clinical presentation of complex cardiopulmonary dysfunction across the lifespan, including:- Critical care: intensive care and high dependency- Limitations to exercise capacity - Paediatric respiratory disease.2. Adaptation of history taking for patients presenting with complex cardiopulmonary dysfunction.3. Adaptation of physical examination principles and procedures commonly used in assessing the cardiopulmonary function of patients with complex cardiopulmonary disease and related issues of reliability and validity.4. Radiological and medical investigations commonly ordered for the investigation of cardiopulmonary function in acute care, exercise training and paediatric care.5. Techniques, indications, contraindications, complications, progression, biological basis and empirical evidence for physiotherapeutic management of people with complex cardiopulmonary dysfunction including:- intensive care management- exercise testing and prescription- interventions for paediatric respiratory conditions.6. Non-physiotherapeutic conservative, surgical and pharmacological management of complex cardiopulmonary disorders, including complications and side effects.7. Physiotherapeutic care of the patient in intensive care or high dependency including:- ventilated patients- multisystem failure, acute head injury, spinal injury- neonatal intensive care- the multidisciplinary team and the role of the physiotherapist.8. Rehabilitation and exercise for pulmonary and cardiovascular disorders, including:- indications and contraindications- exercise testing- exercise prescription and progression- monitoring and safety- patient education- outcome measures- the multidisciplinary team and the role of the physiotherapist.9. Patient education and health promotion strategies relevant to the pulmonary and cardiovascular systems.10. Psychosocial considerations relevant to managing patients with complex cardiopulmonary dysfunction.11. Biological basis and empirical evidence for physiotherapy assessment and intervention for patients with complex cardiopulmonary dysfunction.12. Ethical, lifespan, gender, cultural and legal issues relevant to the management of people with complex cardiopulmonary dysfunction.13. Advanced clinical reasoning skills needed for planning and interpreting the clinical examination and implementing physiotherapy treatment for people with complex cardiopulmonary dysfunction.</p>
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Course Learning Outcomes

On successful completion of this course, students will be able to:

1. Apply biomedical and behavioural scientific knowledge to the physiotherapy evaluation and management of people with complex pulmonary and cardiovascular dysfunction.
2. Describe the aetiology, epidemiology, pathogenesis and clinical presentation of complex pulmonary and cardiovascular disorders.
3. Plan and conduct an appropriate, safe and effective examination of people with complex cardiopulmonary dysfunction, including but not limited to, history and physical examination
4. Apply advanced clinical reasoning skills and an evidence based approach to decision making in cardiopulmonary physiotherapy practice.
5. Appropriately select, modify as necessary, and correctly demonstrate treatment procedures commonly used in the physiotherapy management of people with complex cardiopulmonary dysfunction.
6. Demonstrate an understanding of relevant lifespan, gender, cultural, legal and ethical considerations in delivering a physiotherapy service for people with complex cardiopulmonary disorders.

Course Materials

COMPULSORY REQUIREMENTS

In order to pass this course, each student must complete ALL of the following compulsory requirements:

Contact Hour Requirements:

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Course Assessment Requirements:

- Assessment 2 - Prac Viva examinations: Pass requirement - Must pass this assessment item to pass the course.

Compulsory Placement and WHS Requirements:

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SCHEDULE

ASSESSMENTS

This course has 3 assessments. Each assessment is described in more detail in the sections below.

	Assessment Name	Due Date	Involvement	Weighting	Learning Outcomes
1	Formal Exam		Individual	40%	1, 2, 3, 4, 5, 6
2	Prac Viva examinations*		Individual	40%	1, 3, 4, 5, 6
3	Written Assignment		Individual	20%	1, 4, 6

* This assessment has a compulsory requirement.

Late Submissions

The mark for an assessment item submitted after the designated time on the due date, without an approved extension of time, will be reduced by 10% of the possible maximum mark for that assessment item for each day or part day that the assessment item is late. Note: this applies equally to week and weekend days.

Assessment 1 - Formal Exam

Assessment Type	Formal Examination
Description	
Weighting	40%
Due Date	
Submission Method	
Assessment Criteria	
Return Method	
Feedback Provided	
Opportunity to Reattempt	Students WILL NOT be given the opportunity to reattempt this assessment.

Assessment 2 - Prac Viva examinations

Assessment Type	Viva Voce
Description	
Weighting	40%
Compulsory Requirements	Pass requirement - Must pass this assessment item to pass the course..
Due Date	
Submission Method	
Assessment Criteria	
Return Method	
Feedback Provided	
Opportunity to Reattempt	Students WILL NOT be given the opportunity to reattempt this assessment.

Assessment 3 - Written Assignment

Assessment Type	Written Assignment
Description	
Weighting	20%
Due Date	
Submission Method	
Assessment Criteria	
Return Method	
Feedback Provided	
Opportunity to Reattempt	Students WILL NOT be given the opportunity to reattempt this assessment.

ADDITIONAL INFORMATION

Grading Scheme	This course is graded as follows:		
	Range of Marks	Grade	Description

85-100	High Distinction (HD)	Outstanding standard indicating comprehensive knowledge and understanding of the relevant materials; demonstration of an outstanding level of academic achievement; mastery of skills*; and achievement of all assessment objectives.
75-84	Distinction (D)	Excellent standard indicating a very high level of knowledge and understanding of the relevant materials; demonstration of a very high level of academic ability; sound development of skills*; and achievement of all assessment objectives.
65-74	Credit (C)	Good standard indicating a high level of knowledge and understanding of the relevant materials; demonstration of a high level of academic achievement; reasonable development of skills*; and achievement of all learning outcomes.
50-64	Pass (P)	Satisfactory standard indicating an adequate knowledge and understanding of the relevant materials; demonstration of an adequate level of academic achievement; satisfactory development of skills*; and achievement of all learning outcomes.
0-49	Fail (FF)	Failure to satisfactorily achieve learning outcomes. If all compulsory course components are not completed the mark will be zero. A fail grade may also be awarded following disciplinary action.

*Skills are those identified for the purposes of assessment task(s).

Communication Methods	Communication methods used in this course include:
Course Evaluation	Each year feedback is sought from students and other stakeholders about the courses offered in the University for the purposes of identifying areas of excellence and potential improvement.
Oral Interviews (Vivas)	As part of the evaluation process of any assessment item in this course an oral examination (viva) may be conducted. The purpose of the oral examination is to verify the authorship of the material submitted in response to the assessment task. The oral examination will be conducted in accordance with the principles set out in the Oral Examination (viva) Procedure . In cases where the oral examination reveals the assessment item may not be the student's own work the case will be dealt with under the Student Conduct Rule .

<p>Academic Misconduct</p>	<p>All students are required to meet the academic integrity standards of the University. These standards reinforce the importance of integrity and honesty in an academic environment. Academic Integrity policies apply to all students of the University in all modes of study and in all locations. For the Student Academic Integrity Policy, refer to https://policies.newcastle.edu.au/document/view-current.php?id=35.</p>
<p>Adverse Circumstances</p>	<p>The University acknowledges the right of students to seek consideration for the impact of allowable adverse circumstances that may affect their performance in assessment item(s). Applications for special consideration due to adverse circumstances will be made using the online Adverse Circumstances system where:</p> <ol style="list-style-type: none"> 1. the assessment item is a major assessment item; or 2. the assessment item is a minor assessment item and the Course Co-ordinator has specified in the Course Outline that students may apply the online Adverse Circumstances system; 3. you are requesting a change of placement; or 4. the course has a compulsory attendance requirement. <p>Before applying you must refer to the Adverse Circumstance Affecting Assessment Items Procedure available at: https://policies.newcastle.edu.au/document/view-current.php?id=236</p>
<p>Important Policy Information</p>	<p>The Help button in the Canvas Navigation menu contains helpful information for using the Learning Management System. Students should familiarise themselves with the policies and procedures at https://www.newcastle.edu.au/current-students/respect-at-uni/policies-and-procedures that support a safe and respectful environment at the University.</p>

This course outline was approved by the Head of School. No alteration of this course outline is permitted without Head of School approval. If a change is approved, students will be notified and an amended course outline will be provided in the same manner as the original.

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