

Module specification

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Module code	PHY508
Module title	Developing Cardiorespiratory Physiotherapy Practice
Level	Level 5
Credit value	20
Faculty	Social and Life Sciences
HECoS Code	100252
Cost Code	GAPT

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
BSc (Hons) Physiotherapy	Core

Pre-requisites

Building Physiotherapy Practice One and Two (Level 4) are pre-requisites for this developing cardiorespiratory practice module.

Breakdown of module hours

Learning and teaching hours	45 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops and IPE events	0 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	45 hrs
Placement / work based learning	0 hrs
Guided independent study	155 hrs
Module duration (total hours)	200 hrs

For office use only	
Initial approval date	3/8/22
With effect from date	Sept 23
Date and details of revision	AM2 approved by APSC Mtg 7 – replacing PHY501
Version number	1

Module aims

To enable students to apply anatomy, physiology and pathology to develop problem solving, clinical reasoning and communication skills in the physiotherapy assessment, management and rehabilitation of people who have cardiorespiratory conditions across a variety of settings.

Module Learning Outcomes - at the end of this module, students will be able to:

1	Integrate the cardiorespiratory physiology, anatomy and normal values to the physiotherapy assessment, treatment and rehabilitation for people who have conditions affecting the cardiorespiratory system.
2	Demonstrate an understanding of the pathology of and physiotherapy for cardiorespiratory conditions.
3	Demonstrate, analyse and justify the use of appropriate physiotherapy management and outcome measures for assessment findings within the context of the service user's needs.
4	Discuss the general and physiotherapy management with cardiorespiratory patients including the role and input of the multi-disciplinary team
5	Discuss the role of the physiotherapist in cardiorespiratory care across a range of settings and the psychological, social and emotional effects of cardiorespiratory symptoms for service users.

Assessment

Indicative Assessment Tasks:

This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

Justified Objective Structured practical examination – firstly students will lead a 15-minute discussion to demonstrate their knowledge of the pathology, clinical reasoning, wider patient management and social and psychological factors relevant to the case.

This will be followed by a 30 minute subjective and objective assessment and demonstration their management of the clinical scenario. Finally students will have 15 minutes to write up their key findings and a physiotherapy management plan. Students will be provided with the clinical scenario on the day and allowed 15-minute preparation time.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1-5	OSCE	100%

Derogations

Students are permitted a maximum of two attempts in any module assessment.

All learning outcomes must be passed at a satisfactory descriptor level, therefore a minimum mark of 40% must be achieved.

Learning and Teaching Strategies

The delivery of this module will consist of lectures, interactive classroom sessions, tutorials, group and practical sessions. In order to provide sufficient contact time to develop and refine practical skills of assessment and treatment, the contact time for this module provides an additional 6 hours above the recommended amount for level 5.

It is intended that the module will provide support to students throughout the module; however, students will be encouraged to become increasingly autonomous as they gain competence and confidence within their studies.

A flipped classroom approach will be used to move the learning of essential content such as normal anatomy and dysfunction so that application can be transparently consolidated.

All learning and teaching is supported by the University's virtual learning environment Moodle and students will be able to access clear and timely information to support delivery of content such as videos, links to intranet information, open forums and pre-recorded lectures.

Anatomage will be used to aid anatomical knowledge, allowing self-directed student study.

Indicative Syllabus Outline

Cardiorespiratory physiotherapy is a core skill for physiotherapists in all care settings, working with critically ill patients in intensive care to patients with chronic respiratory disease in the community. This module designed to prepare students with the assessment and treatment skills to apply in all settings.

The module will cover the pathology and physiotherapy of the common cardiac and respiratory conditions such as:

COPD, asthma, bronchiectasis and CF

Cardiovascular disease

Heart disease

Myocardial infarction

Patients undergoing major thoracic and abdominal surgery

type 1 and 2 respiratory failure

Students will learn assessment and treatment skills such as:

Auscultation and palpation of the chest

ABGs

Interpretation of CXR

Fluid balance

Charts

Evaluation of the surgical patients' risk of post-operative respiratory complications

ACBT and other airway clearance techniques

Management of the tracheostomy

Outcome measures relevant to cardiorespiratory physiotherapy

PR and CR

The module will also consider the wider management of patient including topics such as ventilation, pharmacology and anaesthesia and telemetry.

This module will enable students to consider the management of patients with chronic cardiac and respiratory conditions and the psychological and social impacts on patients.

Indicative Bibliography:

Please note the essential reads and other indicative reading are subject to annual review and update.

Essential Reads

Harden, B., Cross, J, Broad, M., Quint, M., Ritson, P and Thomas, S. (2009),
Respiratory Physiotherapy: An On-call Survival Guide, 2nd Ed. London: Churchill

Hough, A. (2018), Cardiorespiratory Care: An Evidence Based, Problem-Solving
Approach, 5th ed. Edinburgh: Elsevier.

Other indicative reading

Main, E. and Denehy, L. (2016), Cardiorespiratory Physiotherapy: Adults and Paediatrics,
5th ed. London: Elsevier.

Employability skills – the Glyndŵr Graduate

Each module and programme is designed to cover core Glyndŵr Graduate Attributes with the aim that each Graduate will leave Glyndŵr having achieved key employability skills as part of their study. The following attributes will be covered within this module either through the content or as part of the assessment. The programme is designed to cover all attributes and each module may cover different areas.

Core Attributes

Engaged
Enterprising
Creative
Ethical

Key Attitudes

Commitment
Curiosity
Resilience

Confidence
Adaptability

Practical Skillsets

Digital Fluency
Organisation
Leadership and Team working
Critical Thinking
Emotional Intelligence
Communication