



MODULE SPECIFICATION

Part 1: Information			
Module Title	Critical Care and Cardio Respiratory Rehabilitation		
Module Code	UZYSY8-30-2	Level	Level 5
For implementation from	2020-21		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Health & Applied Sciences	Field	Allied Health Professions
Department	HAS Dept of Allied Health Professions		
Module type:	Professional Practice		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p>Educational Aims: The values of the NHS Constitution are implicit within this module.</p> <p>See Learning Outcomes.</p> <p>Outline Syllabus: The syllabus includes:</p> <p>Cardiovascular Anatomy and Physiology: Structure of heart and blood vessels Cardiac output, flow, resistance and blood pressure Exercise physiology</p> <p>Cardiovascular Conditions affecting the heart and blood vessels, heart failure, atherosclerosis, shock, myocardial infarction.</p> <p>Clinical Reasoning for People with Cardiorespiratory Problems related to: Care of the critically ill, including intensive care, high dependency and in community settings Multiple organ failure and interaction between systems Post-operative care for thoracic and cardiac surgery and neurosurgery Managing acute and long term cardiorespiratory conditions in acute care and the community</p>

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Principles of deconditioning and aerobic training
Amputee rehabilitation
Pulmonary rehabilitation
Critical care and post ITU rehabilitation
Cardiac rehabilitation
Hyperventilation
Respiratory muscle fatigue
Principles of weaning
End of Life Care
Introduction to paediatric ITU
Issues relating to patient consent, and patient advocacy, blurring of roles

Physiotherapy Examination and Assessment Skills:
Monitoring of critically ill patient and interpretation of findings
Aerobic exercise testing
Assessing critically ill patients and developing problem lists and treatment plans
Emergency assessment skills and protocols (ABCDE)

Physiotherapy Interventions and Treatments Skills:
Positioning, oxygen therapy, humidification, suction, bagging, invasive and non-invasive ventilation.
Intermittent Positive Pressure Breathing (IPPB), cough assist, management of endotracheal tubes, tracheostomies, nasal and oral airways and chest drains.

Practice:
Five weeks of Professional Practice in a variety of environments and health care settings. Setting of individual personal goals relevant to practice and student's individual learning need.

Teaching and Learning Methods: 90 hours of scheduled teaching will be delivered over 2 semesters. This includes online lectures, seminars, tutorials, demonstrations and workshops, and practical classes. Seminars included problem solving, case studies and discussions, and use workbooks to support learning. Practicals involve skills teaching and practice, simulations and equipment workshops.

Additionally, students are expected to engage in 216 hours self-study using the resources and structure in the workbook and blackboard. Preparation time is focused on essential reading, supplemented by case study preparation and self-assessment exercises from the workbook. A major part of their study time is taken up by exam preparation, including sample questions. Independent learning includes hours engaged with essential reading, case study preparation, exam and clinical practice preparation and completion. These sessions constitute an average time per level.

Practice:
Five weeks of professional practice in a variety of environments and health care settings. Placement is normally 187.5 hours. Setting of individual personal goals relevant to practice and student's individual learning need.

Part 3: Assessment

Practice will be assessed via Continuous Practice Assessment(CPA). Learning outcomes and performance criteria will be used for the practice assessment. This forms component A.

Component B is an online exam. This enables comprehensive testing of clinical reasoning and its application to a range of clinical presentations. It will also test student's ability to undertake a complex respiratory assessment, recognise and analyse the findings, make decisions, select appropriate techniques and justify and evaluate their intervention. The online exam has a suggested length of 3 hours, and a submission window of 24 hours.

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First Sit Components	Final Assessment	Element weighting	Description
Portfolio - Component A		0 %	Continuous Practice Assessment (CPA) - pass/fail
Examination (Online) - Component B	✓	100 %	Online examination (24 hours)
Resit Components	Final Assessment	Element weighting	Description
Portfolio - Component A		0 %	Continuous Practice Assessment (CPA) - pass/fail
Examination (Online) - Component B	✓	100 %	Online examination (24 hours)

Part 4: Teaching and Learning Methods

Learning Outcomes	On successful completion of this module students will achieve the following learning outcomes:	
		Reference
	To achieve an acceptable standard for all practice skills (see Practice Outcomes document)	C1
	Module Learning Outcomes	
	Explain the anatomy and physiology of the cardiovascular system and relate to the pathological changes of cardio vascular disease	MO1
	Explain how the physiological changes and interactions between body systems give rise to the expected clinical features in critical illness	MO2
	Demonstrate awareness of the monitoring and intervention methods and equipment commonly used to support critically ill patients	MO3
	Discuss and apply a range of assessment and management options for the critically ill patient, including rationale for selection	MO4
	Demonstrate an understanding of the principles of rehabilitation for people with cardio respiratory problems associated with critical illness and long term conditions	MO5
Critically appraise the role of the physiotherapist in the management of people with cardiovascular and respiratory conditions	MO6	
Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	210
	Total Independent Study Hours:	210
	Placement Study Hours:	
	Placement	187.5

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	Total Placement Study Hours:	187.5
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	90
	Total Scheduled Learning and Teaching Hours:	90
	Hours to be allocated	300
	Allocated Hours	487.5
Reading List	<p><i>The reading list for this module can be accessed via the following link:</i></p> <p>https://uwe.rl.talis.com/modules/uzysy8-30-2.html</p>	

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Physiotherapy [Sep][FT][Glenside][3yrs] BSc (Hons) 2019-20