

Module Details	
Module Title:	Adult Cardiology: Examination, Assessment and Intervention
Module Code:	NUR7019-C
Academic Year:	2019-20
Credit Rating:	30
School:	School of Nursing and Healthcare Leadership
Subject Area:	Nursing
FHEQ Level:	FHEQ Level 7 (Masters)
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Lectures	30
Work based learning	150
Tutorials	10
Directed Study	110

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 1 (Sep - Jan)
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims
To enable students to develop knowledge and skills in the examination, assessment intervention for patients with cardiac disease and abnormality. To propose or initiate appropriate intervention or referral.

Outline Syllabus
Keynote lectures on systematic anatomy and related physiology with specific emphasis on the electro-physiology of the cardio-thoracic system.

Pathophysiology.
 Ischaemic heart disease in acute practice.
 Indications, theory and practice of ECG examination.
 Indications, theory and practice of cardiac pacing, 12 lead ECG and rhythm strips.
 Interpretation of normality, interpretation and differential diagnosis of abnormality.
 Recognition treatment and appropriate referral in cardiac practice.
 Rehabilitation and health promotion in ischaemic heart disease and heart failure.
 Ethical, legal and professional aspects of extended roles.
 Clinical governance and clinical effectiveness.
 Critical reading skills.
 Current trends and drivers of current evidence based cardiology practice.

Learning Outcomes

1	1.1 Critically apply knowledge of cardiac anatomy, physiology and related pathophysiology in the assessment of adult clients. 1.2 Evaluate care, initiate appropriate treatment or referral in the acute and recovering phases on the basis of your assessment. 1.3 Demonstrate knowledge of the principles and practice of cardiac examination as well as the indications and implications of cardiac pacing. 1.4 Evaluate and reflect on care provision and your own responsibilities. 1.5 Critically appraise ethical, legal and professional responsibilities and implications for practice.
2	2.1 Diagnose normality and undertake differential diagnosis of abnormality in the presentation of cardiac pathophysiology. 2.2 Initiate appropriate treatment of acute coronary syndromes. 2.3 Demonstrate knowledge of available treatment modalities, initiate and make appropriate referral with a differential diagnosis. 2.4 Critically examine legal, ethical and professional issues in extended practice and the mechanisms for the protection of public and practitioner. 2.5 Initiate health promotion and rehabilitation. 2.6 Evaluate and reflect on care provision.
3	3.1 Apply problem solving and decision making skills within a specific context. 3.2 Maintain professional relationships with the multiprofessional team in the delivery of care. 3.3 Critically evaluate trends and drivers in the prevention and treatment of coronary heart disease. 3.4 Demonstrate, explain and reflect upon skills of assessment. 3.5 Reflect and synthesise arguments for problem solving and decision making. 3.6 Develop negotiation skills.

Learning, Teaching and Assessment Strategy

Key lectures will deliver core content; providing students with the opportunity to acquire the information to enhance their knowledge about the pathophysiological/psychosocial impact of cardiac disease. This will be complemented by group discussions to allow students to apply this learning to their own role and examine how cardiac disease and care affects patients and their families (LO 1.1,1.2,1.3,1.5,2.1,2.6). Seminars, group discussions and tutorials will be used to facilitate individual learning and discussion focused on analysing interventions & the ethical & legal implications for practice with regard to assessment & managing acute & critically ill people (LO 1.2,1.3,1.4,2.2,2.3,2.4,2.5,2.6,3.2,3.5,3.6). Directed study provides students with the

opportunity to undertake directed reading & to develop their own portfolio of learning to enhance transferable skills & knowledge relating to evaluation of own role & care provision (LO 1.2,1.3,2.3, 2.4,2.5,3.4). VLE will be used to provide access to online resources, lecture notes & external links to websites of interest. 'Work-based learning' consists of opportunities to participate in practice within own or other clinical area & to enhance acquisition of skills in the interpretation & application of appropriate physiological & psychological knowledge & care for acutely ill people. These opportunities will be linked to completion of competency outcomes assessed by a practice mentor & Assessments 1 & 2 (LO 1.1, 1.2,1.3,1.4,1.5,2.1,2.2,2.3,2.4,2.5,2.6,3.1,3.2,3.3,3.4,3.5) & Assessment 3 will assess LO 1.1,1.2,2.1,2.2,2.3,3.1,3.2,3.3,3.5,3.6.

Mode of Assessment				
Type	Method	Description	Length	Weighting
Summative	Coursework	3000 word case study derived from log of clinical competencies	0 hours	100%
Summative	Clinical Assessment	Achievement of competency outcomes in practice document (Pass/Fail)	0 hours	%

Reading List
To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html .

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.