

Module Specification

Module Summary Information

1	Module Title	ECG Interpretation and Arrhythmia Management
2	Module Credits	20
3	Module Level	Level 7
4	Module Code	LBR7490
5	Semester Taught	1

6	Module Overview
<p>Cardiac monitoring and electrocardiogram (ECG) interpretation is a core component in the care and management of patients with Cardiac (and other) illnesses. This module is aimed predominantly at Graduate Health Care Practitioners who utilise Cardiac monitoring and ECG interpretation in their day to day practice.</p> <p>The module will provide opportunities for learners to develop an in-depth knowledge of the ECG, enhance their knowledge and decision-making skills in relation to arrhythmia and conduction disturbance recognition and evidence based best practice management.</p> <p>This module aligns with the Professional Practice Programme philosophy and is designed to be flexible and practice-led. You will have the opportunity to develop skills of enquiry, reflection and problem solving. A blended learning approach is taken in line with the university's learning and teaching strategy. You will be encouraged to think critically and share practice experiences with your fellow students, as well as engaging in both directed and self-directed learning activities. You will be an active partner in your own learning and development and in return you will receive regular feedback and feedforward aimed at developing your academic skills and have the opportunity to discuss your progress with the module team.</p> <p>Hours of Study: Only a small proportion of your study hours will be spent in classroom or online sessions with additional time spent in directed and self-directed study.</p> <p>At this level of study, it is expected that you will read widely around topic areas in addition to the resources that are provided via Moodle.</p>	

7	Indicative Content
<p>Physiology of the Cardiac Conduction system The normal ECG Mean Frontal Cardiac Axis Calculation Recognition, physiology and management of Conduction Disturbances and Arrhythmias Cardiopulmonary Resuscitation National and International clinical guidelines</p>	

8	Module Learning Outcomes
On successful completion of the module, students will be able to:	
1	Utilising academic skills, retrieve and apply appropriate evidence and knowledge to formulate critical debate required at level 7.
2	Interpret and explain the physiological processes of normal and abnormal impulse formation and conduction
3	Critically analyse, evaluate and justify the best practice management of patients with disturbances of impulse formation and conduction

9 Module Assessment			
Learning Outcome Number (from table 8)	Coursework	Exam	In-Person
1, 2 and 3		100%	

10 Breakdown Learning and Teaching Activities		
Learning Activities	Hours	Details of Duration, Frequency and other comments
Scheduled Learning (SL) includes lectures, practical classes and workshops as specified in timetable	45	Six taught days of 7.5 hours per day over 6 weeks, 2 days face to face 4 days synchronous online consisting of lectures, workshops and seminars. There will be a blended approach to scheduled learning activities.
Directed Learning (DL) includes placements, work-based learning, peer group learning external visits, on-line activity, Graduate+, peer learning, as directed on VLE	36	<u>These timings are approximate</u> Asynchronous online directed learning activities which include: Pre Module Reading completion 12 hrs Pre and post study day learning tasks 24hrs
Private Study (PS) includes preparation for exams	119	<u>These timings are approximate and the frequency will be dictated by the student.</u> Moodle engagement, 30hr Supplementary reading and clinical consolidation 35 hr Developing academic skills 18 hr Preparation for and completion of formative and summative assessments 35hr Tutorial 1hr
Total Study Hours:	200	

11 Key Texts and Online Learning Resources	
<p>Due to the variety of potential information sources and the changing nature of the topic(s) there are no 'must purchase' titles. An annually updated reading list is available on Moodle.</p> <p>European Society of Cardiology http://www.escardio.org/Guidelines-&-Education/Clinical-Practice-Guidelines/listing National Institute for Clinical Excellence https://www.nice.org.uk/guidance/Conditions-and-diseases/Cardiovascular-conditions The Resuscitation Council (UK) https://www.resus.org.uk</p>	

<http://www.cvpharmacology.com/>
<http://www.cvphysiology.com/>
<http://en.ecgpedia.org/>
<http://lifeinthefastlane.com/ecg-library/>