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| MODULE SPECIFICATION TEMPLATE |

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| MODULE DETAILS | | | | | | | | | | | | | | | | | | | | |
| **Module title** | Acute Cardiology Principles and Practice | | | | | | | | | | | | | | | | | | | |
| **Module code** | MDM135 | | | | | | | | | | | | | | | | | | | |
| **Credit value** | 20 | | | | | | | | | | | | | | | | | | | |
| **Level**  Mark the box to the right of the appropriate level with an ‘X’ | Level 4 |  | | Level 5 | | |  | Level 6 | | | |  | | Level 7 | | | x | Level 8 |  | |
| Level 0 (for modules at foundation level) | | | | | | | | | | |  | |  | | | | | | |
| ***Entry criteria for registration on this module*** | | | | | | | | | | | | | | | | | | | | |
| **Pre-requisites**  Specify in terms of module codes or equivalent | This programme is open to post-registration doctors and qualified practitioners in any profession allied to medicine; those with a first degree will have a minimum of 2 years clinical practice; those without will have a minimum of 5 years post qualification practice in cardiology. | | | | | | | | | | | | | | | | | | | |
| **Co-requisite modules**  Specify in terms of module codes or equivalent |  | | | | | | | | | | | | | | | | | | | |
| ***Module delivery*** | | | | | | | | | | | | | | | | | | | | |
| **Mode of delivery** | Taught | | x | | Distance | | | |  | | Placement | | | | |  | Online | | |  |
|  | Other | |  | | | | | | | | | | | | | | | | | |
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| **Pattern of delivery** | Weekly | |  | | Block | | | | x | | Other | | | | |  | | | | |
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| **When module is delivered** | Semester 1 | | | |  | Semester 2 | | | | | | |  | | Throughout year | | | | |  |
| Other | |  | | | | | | | | | | | | | | | | | |
| **Brief description of module content and/ or aims**  Overview (max 80 words) | This module provides a basic introduction to coronary and structural heart disease and the principles and practice of acute medical treatment. | | | | | | | | | | | | | | | | | | | |
| **Module team/ author/ coordinator(s)** | Dr Sean O’Nunain – Course and Module Leader  Mr John Anderson – Programme Leader  Ms Kristina Rudge – Course and Module Administrator | | | | | | | | | | | | | | | | | | | |
| **School** | Division of Medical Education, Postgraduate Medicine, BSMS | | | | | | | | | | | | | | | | | | | |
| **Site/ campus where delivered** | Falmer campus, University of Brighton | | | | | | | | | | | | | | | | | | | |
| ***Course(s) for which module is appropriate and status on that course*** | | | | | | | | | | | | | | | | | | | | |
| **Course** | | | | | | | | | | **Status (mandatory/ compulsory/ optional)** | | | | | | | | | | |
| MSc Cardiology | | | | | | | | | | Mandatory | | | | | | | | | | |
| PgDip Cardiology | | | | | | | | | | Mandatory | | | | | | | | | | |
| PgCert Cardiology | | | | | | | | | | Mandatory | | | | | | | | | | |
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| MODULE AIMS, ASSESSMENT AND SUPPORT | | |
| **Aims** | This module aims to advance the students’ knowledge of the basics of coronary and structural heart disease and the principles that underpin treatment and prevention.  Emphasis will be placed on promoting critical awareness, understanding and application of the current evidence for diagnosis and treatment of acute cardiac conditions in the hospital setting.  A secondary aim is to promote a wider understanding of the differing profiles and contributory roles of the various health care professionals and the impact of cardiovascular illness upon the individual. | |
| **Learning outcomes** | On successful completion of the module, students will demonstrate:   * systematic knowledge of the structure and function of the heart in health and disease * an applied understanding of the genesis of the electrocardiogram and of the interpretation of cardiac rhythms and heart muscle damage. * systematic knowledge of the manifestations and diagnosis of cardiac conditions that present acutely * a critical awareness of the benefits versus the risks of evidence-based treatments for acute conditions * an ability to impart new learning to both junior and senior colleagues in clinical practice * an understanding of the patient’s perspective of cardiovascular illness | |
| **Content** | Cardiac anatomy and physiology  Cardiovascular function and monitoring  Body fluids and tissue perfusion  Principles, uses and interpretation of electrocardiography  Cardiac electrophysiology  Pathology, presentation, diagnosis and management of acute ischaemic heart disease  Pathology, presentation, diagnosis and management of heart failure  Cardiac drugs used in the acute setting  Patients’ perspectives | |
| **Learning support** |  | |
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| ***Teaching and learning activities*** | | |
| **Details of teaching and learning activities** | Teaching methods will encompass:   * Lectures * Whole group discussion * Small group discussion * Individual tutorials * Student presentations | |
| **Allocation of study hours (indicative)**  Where 10 credits = 100 learning hours | | **Study hours** |
| **SCHEDULED** | This is an indication of the number of hours students can expect to spend in scheduled teaching activities including lectures, seminars, tutorials, project supervision, demonstrations, practical classes and workshops, supervised time in workshops/ studios, fieldwork, external visits, and work-based learning. | 30 |
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| **GUIDED INDEPENDENT STUDY** | All students are expected to undertake guided independent study which includes wider reading/ practice, follow-up work, the completion of assessment tasks, and revisions. | 170 |
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| **PLACEMENT** | The placement is a specific type of learning away from the University that is not work-based learning or a year abroad. | N/A |
| **TOTAL STUDY HOURS** | | **200** |
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| ***Assessment tasks*** | | |
| **Details of assessment for this module** | 90 minute written examination and 2-3,000 word assignment. The Pass mark is 50% for each component. Students need to pass both components to pass the module. | |
| **Types of assessment task[[1]](#footnote-1)**  Indicative list of summative assessment tasks which lead to the award of credit or which are required for progression. | | **% weighting**  (or indicate if component is pass/fail) |
| **WRITTEN** | 90 Minute written examination | 50% |
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| **COURSEWORK** | 2-3,000 word assignment & 500 word | 50% |
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| **PRACTICAL** | N/A |  |
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| EXAMINATION INFORMATION | | | | |
| **Area examination board** | Division of Medical Education, Postgraduate Medicine | | | |
| Refer to Faculty Office for guidance in completing the following sections | | | | |
| ***External examiners*** | | | | |
| **Name** | | **Position and institution** | **Date appointed** | **Date tenure ends** |
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| Dr Nicholas Gall MSc MD FRCP | | Consultant Cardiologist (Arrhythmias and Neurocardiology) Honorary Senior Lecturer, KCL | February 2014 | February 2018 |
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| QUALITY ASSURANCE | | | | | |
| **Date of first approval**  Only complete where this is not the first version |  | | | | |
| **Date of last revision**  Only complete where this is not the first version |  | | | | |
| **Date of approval for this version** |  | | | | |
| **Version number** | 1 | | | | |
| **Modules replaced**  Specify codes of modules for which this is a replacement | MDM04 Invasive Cardiology & Cardiac Surgery | | | | |
| **Available as free-standing module?** | | Yes | x | No |  | |

1. Set exercises, which assess the application of knowledge or analytical, problem-solving or evaluative skills, are included under the type of assessment most appropriate to the particular task. [↑](#footnote-ref-1)