

MD3001 Medicine: Honours 1 (Cardiovascular and Respiratory Systems)			
SCOTCAT Credits:	60	SCQF level 9	Semester 1
Academic year:	2021-2022		
Availability restrictions:	Available only to students enrolled in the BSc Honours Medicine programme.		
Planned timetable:	To be arranged.		
<p>Medical Science Honours 1 and 2 form the second turn of the curriculum spiral taking an integrated approach to the scientific basis of medicine at an Honours level. These modules will build upon the material delivered in the preceding Foundations of Medicine 1 and 2 modules. Medicine Honours 1 will cover the structure and functions of the cardiovascular and respiratory systems, and the anatomy of the thorax. The disease mechanisms and therapy of disorders pertinent to these body systems will be introduced and relevant clinical problems and clinical skills will provide clinical context. The ethical, moral and behavioural aspects relevant to these systems will be discussed. MD3001 also provides system contextualised learning in the vertical themes of infection, public health and health psychology, as well as being part of the research skills matrix which prepares students for the critical review of published data and scientific writing.</p>			
Pre-requisite(s):	Before taking this module you must pass MD2001 and pass MD2002		
Learning and teaching methods of delivery:	Weekly contact: On average 10 lectures and 6 hours of seminars/tutorials/practicals each week. Clinical case studies and clinical skills on a 2-week cycle including a mixture of virtual and face to face clinical placements where possible . Up to 6 hours per week of directed self-learning.		
	Scheduled learning: 250 hours	Guided independent study: 350 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 63%, Practical Examinations = 0%, Coursework = 37%		
	As used by St Andrews: Module Examinations will comprise a written examination totalling 63% of the module grade. Coursework will total 37% of the module grade.		
Re-assessment pattern:	1x 2h written examination		
Module coordinator:	Dr E Cezayirli		
Module teaching staff:	Dr Javier Tello		

Medicine - Honours Level - 2021/2 - August – 2021

MD3002 Medicine: Honours 2 (Reproductive, Renal and Gastrointestinal Systems)			
SCOTCAT Credits:	60	SCQF level 9	Semester 2
Academic year:	2021-2022		
Availability restrictions:	Available only to students enrolled in the BSc Honours Medicine programme.		
Planned timetable:	To be arranged.		
Medicine Honours 2 will: - provide in depth coverage of the structure and functions of the reproductive, renal and gastrointestinal systems - study the anatomy of the abdomen and pelvis - cover the disease mechanisms and therapy of the disorders pertinent to these body systems - use relevant clinical problems to provide the clinical context - integrate the ethical, moral and behavioural aspects relevant to these systems. MD3002 also provides system contextualised learning in the vertical themes of microbiology, public health and healthy psychology, as well as being part of the research skills matrix which prepares students for the critical review of published data and scientific writing.			
Pre-requisite(s):	Before taking this module you must pass MD2001 and pass MD2002		
Learning and teaching methods of delivery:	Weekly contact: Approximately 10 lectures and 6 hours of seminars/tutorials/practicals each week. Clinical case studies and clinical skills on a 2-week cycle including a mixture of virtual and face to face clinical placements, where possible. Up to 6 hours per week of directed self-learning.		
	Scheduled learning: 219 hours	Guided independent study: 381 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 63%, Practical Examinations = 0%, Coursework = 37%		
	As used by St Andrews: Module Examinations will comprise of a written examination totaling 63% of the module grade. Attainment of competence in clinical skills appropriate to this stage of a medical curriculum as demonstrated in a pass/fail objective structured clinical exam (OSCE). Coursework will total 37% of the module grade.		
Re-assessment pattern:	2 hour Written Examination = 100% +/- 100% OSCE if required		
Module coordinator:	Dr J Illes		
Module coordinator Email:	md3002@st-andrews.ac.uk		
Module teaching staff:	Dr Alan Stewart		

MD3101 Year 2 MBChB (Graduate Entry)			
SCOTCAT Credits:	180	SCQF level 9	Semester Full Year
Academic year:	2021-2022		
Availability restrictions:	Only available to students enrolled on the Medicine (Graduate Entry) programme.		
Planned timetable:	To be arranged		
The module will consist of an induction week, followed by a rotating series of 6-week clinical placements around NHS regions in Scotland. The first 4 blocks will focus on Case-Based Learning. Students will learn in primary care and secondary care settings. Students will then complete their Agents of Change project, undertaking a project over 6 weeks. The final block of the module will be Patient Journey and Emergency Care.			
Pre-requisite(s):	Before taking this module you must pass MD2101		
Learning and teaching methods of delivery:	Weekly contact: Average 10 hours total lectures and tutorials over 30 weeks (Case-Based Learning and Patient Journey and Emergency Care blocks) plus two days of COVID-19 dependent work-place based learning (one with Generalist Clinical Mentor). Average 6 hours total of lectures, seminar and tutorials over 6 week project block.		
	Scheduled learning: 0 hours	Guided independent study: 0 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 40%, Coursework = 20%		
	As used by St Andrews: Coursework = 20%, Practical Examination = 40%, Written Examination = 40%		
Re-assessment pattern:	Coursework = 20%, Practical Examination = 40%, Written Examination = 40%		
Module coordinator:	Dr J P Winpenny		
Module coordinator Email:	year2@scotgem.ac.uk		

Medicine - Honours Level - 2021/2 - August – 2021

MD4001 Medicine: Honours 3 (Central Nervous System and Endocrine System)			
SCOTCAT Credits:	60	SCQF level 10	Semester 1
Academic year:	2021-2022		
Availability restrictions:	Available only to students enrolled in the BSc Honours Medicine programme.		
Planned timetable:	To be arranged.		
<p>This module continues the strategy of the spiral curriculum by revisiting foundation knowledge and progressing to the most complex integrative physiological systems, namely the central nervous system (CNS) and endocrine systems. Medicine Honours 3 will provide in depth coverage of normal structure and function of these systems and will introduce learners to diseases and possible therapies pertinent to these important control systems. It will provide the opportunity to study the anatomy of the head and neck by dissection and utilise case studies to highlight appropriate clinical skills for the identification of neurological and endocrinological disorders. Audiovisual, literary and theoretical works will be used to integrate ethical issues and behavioural science with clinical medicine. Throughout this module, learners will consider the evidence base for medicine and develop critical appraisal skills.</p>			
Pre-requisite(s):	Before taking this module you must pass MD3001 and pass MD3002		
Learning and teaching methods of delivery:	Weekly contact: On average 10 lectures and 6 hours of seminars/tutorials/practicals each week. Students typically spend two hours a week on clinical case studies and clinical skills, in addition to face to face clinical placements, where possible, alongside a virtual provision. Up to 6 hours per week of directed self-learning.		
	Scheduled learning: 250 hours	Guided independent study: 350 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 63%, Practical Examinations = 0%, Coursework = 37%		
	As used by St Andrews: Module Examinations will comprise a written examination totalling 63% of the module grade. Coursework will total 37% of the module grade.		
Re-assessment pattern:	1x 2h written examination		
Module coordinator:	Professor J P Issberner		
Module teaching staff:	Dr John Lucocq		

MD4002 Medicine: Honours 4 (Student-selected component)			
SCOTCAT Credits:	40	SCQF level 10	Semester 2
Academic year:	2021-2022		
Availability restrictions:	Available only to students enrolled in the BSc Honours Medicine programme.		
Planned timetable:	To be arranged.		
<p>Students will undertake an Honours level Student-Selected Component (SSC) research project. This SSC will enable students to pursue an area of their own particular interest at an advanced level. SSCs will involve one of the following: - lab/data based research project assessed by dissertation and oral presentation - critical review project assessed by dissertation and oral presentation.</p>			
Pre-requisite(s):	Before taking this module you must pass MD3001 and pass MD3002		
Learning and teaching methods of delivery:	Weekly contact: To be arranged.		
	Scheduled learning: 5 hours	Guided independent study: 395 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 5%, Coursework = 95%		
	As used by St Andrews: Coursework = 95%, Practical Examination = 5%		
Re-assessment pattern:	Coursework = 95%, Practical Exam = 5%		
Module coordinator:	Ms D B Currie		
Module coordinator Email:	md4002@st-andrews.ac.uk		

MD4003 Medicine: Honours 5 (Clinical Reasoning)				
SCOTCAT Credits:	20	SCQF level 10	Semester	2
Academic year:	2021-2022			
Availability restrictions:	Available only to students enrolled in the BSc Honours Medicine programme.			
Planned timetable:	To be arranged.			
<p>This module runs in parallel with the student selected module MD4002 in the second semester and is delivered in 5 cycles every two weeks. A typical morning session may include (virtual or face to face): integrated clinical scenarios, revision tutorials, workshop or skills practical. A typical afternoon session may include (virtual or face to face): feedback from morning's work, simulation exercises, workshop or practical. The feedback session enables students to improve their performance and includes discussion relating to the simulated cases. New advanced skills are introduced to stimulate clinical development. Skills include ABCDE approach to patient management, cannulation, fluid management, and safe prescribing. Clinical decision making and problem reasoning workshops are designed to develop clinical reasoning powers. The series of revision topics relate to patient investigations such as haematology, clinical chemistry and ECG. Anatomy relating to clinical examination and imaging is also reviewed. Revisiting these topics in a spiral curriculum reinforces areas previously covered. If possible, one cycle will be dedicated to ward simulations where medical students work in multidisciplinary teams along with the nursing and pharmacy students from Dundee and Aberdeen.</p>				
Pre-requisite(s):	Before taking this module you must pass MD3001 and pass MD3002			
Learning and teaching methods of delivery:	Weekly contact: 5 hours in 5 clinical cycles over the semester delivered in-person if possible. Students will participate in face to face clinical placements, where possible, alongside a virtual provision.			
	Scheduled learning: 50 hours		Guided independent study: 150 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 100%, Coursework = 0%			
	As used by St Andrews: 18 station objective structured clinical examination delivered as practical and/or written stations. The exam will last at least 2 hours.			
Re-assessment pattern:	18 station objective structured clinical examination delivered as practical and/or written stations. The exam will last at least 2 hours.			
Module coordinator:	Dr P Bjelogric			
Module teaching staff:	Dr Peter Williamson			

MD4101 ScotGEM Year 4 (MBChB)				
SCOTCAT Credits:	0	SCQF level 10	Semester	Full Year
Academic year:	2021-2022			
Learning and teaching methods of delivery:	Scheduled learning: 0 hours		Guided independent study: 0 hours	
	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 0%			
Assessment pattern:	As used by St Andrews: TBC			
	Module coordinator: Dr A S O'Malley			
Module coordinator Email:	year1@scotgem.ac.uk			