

## Medicine - 1000 & 2000 Level - 2020/1 - August - 2020

MD2001 Foundations of Medicine 1			
<b>SCOTCAT Credits:</b>	60	SCQF level 8	<b>Semester</b>
<b>Academic year:</b>	2020-2021		
<b>Availability restrictions:</b>	Available only to students enrolled in the BSc Honours Medicine programme.		
<b>Planned timetable:</b>	To be arranged.		
<p>The medical course takes the form of an integrated spiral curriculum, where teaching in all relevant subjects is delivered grouped holistically or by systems and revisited with increasing complexity throughout the course. Foundations of Medicine 1 and 2 form the initial turn of the spiral in which fundamentally important knowledge is reviewed. During subsequent turns of the spiral, the topics covered in these two modules will be revisited at a more advanced level and with increasing clinical application. A series of core, introductory clinical cases illustrates the clinical context throughout Foundations of Medicine 1 and 2. Foundations of Medicine 1 provides a general overview of the structure and functions of the body systems from the microscopic to the macroscopic level: reviews molecular and cellular medicine; gives a preliminary introduction to medical ethics and communication skills relevant to medicine; uses clinical problems to develop an understanding of the levels of consciousness and the assessment of health status. The module also includes an anatomical overview of the major body systems and the dissection of the back.</p>			
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> On average 10 lectures and 6 hours of seminars/tutorials/practicals each week. Clinical case studies, clinical and communication skills on a 2-week cycle including 1 x 2 hours session with volunteer patients. Up to 6 hours per week of directed self-learning		
	<b>Scheduled learning:</b> 200 hours	<b>Guided independent study:</b> 400 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	<b>As used by St Andrews:</b> Module Examinations will comprise 2 written examinations totalling 75% of the module grade. Coursework will comprise a written examination totaling 25% of the module grade.		
<b>Re-assessment pattern:</b>	2 x 1.5-hour Written Examinations = 100%		
<b>Module coordinator:</b>	Dr A Hughes		
<b>Module teaching staff:</b>	Dr Peter Caie		

## Medicine - 1000 & 2000 Level - 2020/1 - August - 2020

MD2002 Foundations of Medicine 2			
<b>SCOTCAT Credits:</b>	60	SCQF level 8	<b>Semester</b> 2
<b>Academic year:</b>	2020-2021		
<b>Availability restrictions:</b>	Available only to students enrolled in the BSc Honours Medicine programme.		
<b>Planned timetable:</b>	To be arranged.		
<p>Foundations of Medicine 2 continues the introduction of fundamental topics into the curriculum. This includes the principles of disease mechanisms and therapy, and the development of clinical and communication skills. Foundations of Medicine 2 provides an in-depth study of the musculo-skeletal system including nerve and muscle physiology, control of movement and the autonomic nervous system. The anatomy of the upper and lower limbs are studied by dissection. A particular focus for this module is the introduction of topics essential to the practise of medicine, including public health and health psychology. The clinical problems in this module centre on trauma, deep vein thrombosis and pathological fracture. Additionally this module provides an exposure to clinical practice in a one day placement at a GP or community hospital.</p>			
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 10 lectures and 6 hours of seminars/tutorials/practicals each week. Clinical case studies, clinical and communication skills on a 2-week cycle, which includes time spent with volunteer patients. Up to 6 hours per week of directed self-learning.		
	<b>Scheduled learning:</b> 200 hours		<b>Guided independent study:</b> 400 hours
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	<b>As used by St Andrews:</b> Module Examinations will comprise 2 written examinations totalling 75% of the module grade. Additionally students must attain competence in clinical skills appropriate to this stage of a medical curriculum as demonstrated in a pass/fail objective structured clinical exam (OSCE), and have a satisfactory review of their portfolio. Coursework will comprise a written examination totalling 25% of the module grade.		
<b>Re-assessment pattern:</b>	2 x 1.5-hour Written Examinations = 100%, +/- OSCE +/- portfolio remediation as appropriate		
<b>Module coordinator:</b>	Dr R C Davies		
<b>Module teaching staff:</b>	Dr Alan Stewart		

## Medicine - 1000 & 2000 Level - 2020/1 - August - 2020

MD2101 ScotGEM Year 1 (MBChB)			
<b>SCOTCAT Credits:</b>	180	SCQF level 8	Semester
<b>Academic year:</b>	2020-2021		
<b>Availability restrictions:</b>	Only available to students enrolled on the Medicine (Graduate Entry) programme.		
<b>Planned timetable:</b>	Requested Correction Lectures: To be arranged; Practicals: To be arranged; Placement: one full day per week in clinical practice.		
<p>This module draws on the science of medicine, introducing clinical cases to illustrate the scientific principles via integrated teaching within the framework of the major body systems. It aims to support students make the link between theory and practise, through weekly placements that will also help them identify relevant experience from previous learning and identify their generic competences which they can build on throughout the programme. There will be an initial week of induction, designed to introduce students to the programme and identify relevant experience from previous learning and their generic competencies which they can build on throughout the programme. The module will then be split into blocks of learning: An Introduction To The Science of Medicine block and three Systems In Practise blocks</p>			
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 25 hours, including one day a week work-placed learning with Generalist Clinical Mentor		
	<b>Scheduled learning:</b> 750 hours	<b>Guided independent study:</b> 1050 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 40%, Coursework = 20%		
	<b>As used by St Andrews:</b> Coursework = 20%, Practical Examination = 40%, Written Examination = 40%		
<b>Re-assessment pattern:</b>	Coursework = 20%, Practical Examination = 40%, Written Examination = 40%		
<b>Module coordinator:</b>	Dr A S O'Malley		
<b>Module coordinator Email:</b>	year1@scotgem.ac.uk		

## Medicine - 1000 & 2000 Level - 2020/1 - August - 2020

MD2201 The Art of the Medical Practitioner			
<b>SCOTCAT Credits:</b>	5	SCQF level 8	<b>Semester</b>
<b>Academic year:</b>	2020-2021		
<b>Availability restrictions:</b>	Available only to students on the one-semester Pre-health Study Abroad programme.		
<b>Planned timetable:</b>	To be arranged.		
<p>This programme will be comprised of: A series of ten three-hour workshops, including practical demonstrations, visits to a GP surgery where patients with specific conditions, including Orthopaedic, Respiratory, Neurological and Cardiovascular, will be presented and examined. The workshops are designed to demonstrate 'The Art of Medicine' and its practice in clinical and academic settings. Participants will be actively encouraged to develop their own powers of observation through examination of cadaveric pro-sections, medical X-ray investigations and clinical examination of patients. Topics covered include: 1) How to take a patient history 2) Taking a history from simulated and volunteer patients 3) Patient journey and the effect of their conditions have had upon them (socially, financially, psychologically) 4) Importance of effective infection control (MRSA, pandemics etc.) 5) Essay topic 6) The anatomy of limbs and the thorax in the context of clinical disease presentations. By the end of the workshops, students will have developed skills in clinical communications. Workshops will underline the fundamental importance of understanding the basics so that one can diagnose conditions by building on the basic sciences whilst applying the art of the clinician.</p>			
<b>Pre-requisite(s):</b>	Students must be on the North American Pre-Health Study Abroad Programme		
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 3-hour practical class (x 1 week), 3-hour tutorials (x 8 weeks), 3-hours of Field work (x 1 week)		
	<b>Scheduled learning:</b> 30 hours	<b>Guided independent study:</b> 20 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 50%, Coursework = 50%		
	<b>As used by St Andrews:</b> Presentations = 50%, Coursework = 50%		
<b>Re-assessment pattern:</b>	No Re-assessment available		
<b>Module coordinator:</b>	Dr J A Collinson		
<b>Module teaching staff:</b>	Dr A Collinson		