

## School of Medicine

### Medicine (MD) Modules

MD3001 Medicine: Honours 1 (Cardiovascular and Respiratory Systems)			
<b>SCOTCAT Credits:</b>	60	SCQF Level 9	<b>Semester:</b> 1
<b>Academic year:</b>	2013/4		
<b>Availability restrictions:</b>	Available only to students enrolled in the B.Sc. Honours Medicine programme.		
<b>Planned timetable:</b>	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 modules 1 and 2. Medicine Honours 1 will: - cover the structure and functions of the cardiovascular and respiratory systems. The anatomy of the thorax will be studied by dissection. - introduce the disease mechanisms and therapy of disorders pertinent to these body systems - use relevant clinical problems and clinical skills to provide clinical context - integrate the ethical, moral and behavioural aspects relevant to these systems.</p>			
<b>Programme module type:</b>	Compulsory for B.Sc. Honours Medicine		
<b>Pre-requisite(s):</b>	MD2001 and MD2002		
<b>Required for:</b>	MD4001, MD4002, MD4003		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 10 Lectures and 6 hours of seminars/tutorials/practicals each week. Clinical case studies and clinical skills on a 2-week cycle including 5 day placements in clinical settings Up to 6 hours per week of directed self-learning		
	<b>Scheduled learning:</b> 304 hours	<b>Guided independent study:</b> 296 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 totaling 75% of the module grade. Attainment of competence in clinical skills appropriate for this module (Pass/Fail). Coursework will comprise 2 written examinations totaling 25% of the module grade.		
<b>Module Co-ordinator:</b>	Dr A Fleet and Dr W Dhaliwal		

<b>MD3002 Medicine: Honours 2 (Reproductive, Renal and Gastrointestinal Systems)</b>				
<b>SCOTCAT Credits:</b>	60	SCQF Level 9	<b>Semester:</b>	2
<b>Academic year:</b>	2013/4			
<b>Availability restrictions:</b>	Available only to students enrolled in the B.Sc. Honours Medicine programme.			
<b>Planned timetable:</b>	To be arranged.			
<p>Medicine Honours 2 will: - provide in depth coverage of the structure and functions of the reproductive, renal and gastrointestinal systems. The anatomy of the abdomen and pelvis will be studied by dissection. - cover the disease mechanisms and therapy of the disorders pertinent to these body systems - use relevant clinical problems to provide the clinical context - will integrate the ethical, moral and behavioural aspects relevant to these systems.</p>				
<b>Programme module type:</b>	Compulsory for B. Sc Honours Medicine			
<b>Pre-requisite(s):</b>	MD2001 and MD2002			
<b>Required for:</b>	MD4001, MD4002, MD4003			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 10 Lectures and 6 hours of seminars/tutorials/practicals each week. Clinical case studies and clinical skills on a 2-week cycle including 5 day placements in clinical settings. Up to 6 hours per week of directed self-learning.			
	<b>Scheduled learning:</b> 258 hours		<b>Guided independent study:</b> 342 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 totaling 75% of the module grade. Attainment of competence in clinical skills appropriate for this module (Pass/Fail). Coursework will comprise 2 written examinations totaling 25% of the module grade.			
<b>Module Co-ordinator:</b>	Dr J P Issberner, Dr A Laidlaw			

MD4001 Medicine: Honours 3 (Central Nervous System and Endocrine System)				
<b>SCOTCAT Credits:</b>	60	SCQF Level 10	<b>Semester:</b>	1
<b>Academic year:</b>	2013/4			
<b>Availability restrictions:</b>	Available only to students enrolled in the B.Sc. Honours Medicine programme.			
<b>Planned timetable:</b>	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 and endocrine systems. Medicine Honours 3 will: - provide in depth coverage of normal structure and function of the CNS and endocrine systems. The anatomy of the head and neck will be studied by dissection - introduce diseases and possible therapies pertinent to these important control systems - present case studies associated with the CNS and endocrine systems to highlight appropriate clinical skills for the identification of neurological and endocrinological disorders - utilise audiovisual, literary and theoretical works to integrate ethical issues and behavioural science with clinical medicine.</p>				
<b>Programme module type:</b>	Compulsory for B.Sc Honours Medicine			
<b>Pre-requisite(s):</b>	MD3001 and MD3002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 10 Lectures and 6 hours of seminars/tutorials/practicals each week Clinical case studies and clinical skills on a 2-week cycle including 5 day placements in clinical settings. Up to 6 hours per week of directed self-learning.			
	<b>Scheduled learning:</b> 304 hours		<b>Guided independent study:</b> 296 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 totaling 75% of the module grade. Attainment of competence in clinical skills appropriate for this module (Pass/Fail). Coursework will comprise 2 written examinations totaling 25% of the module grade.			
<b>Module Co-ordinator:</b>	Dr J P Issberner, Dr R Davies			

## Medicine - Honours Level - 2013/14 - August 2013

MD4002 Medicine: Honours 4 (Student-selected component)				
<b>SCOTCAT Credits:</b>	40	SCQF Level 10	<b>Semester:</b>	2
<b>Academic year:</b>	2013/4			
<b>Availability restrictions:</b>	Available only to students enrolled in the B.Sc. Honours Medicine programme.			
<b>Planned timetable:</b>	To be arranged.			
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.				
<b>Programme module type:</b>	Compulsory for B.Sc Honours Medicine			
<b>Pre-requisite(s):</b>	MD3001 and MD3002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> To be arranged.			
	<b>Scheduled learning:</b> 0 hours		<b>Guided independent study:</b> 400 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 90%, Practical Examinations = 10%, Coursework = 0%			
	<b>As used by St Andrews:</b> Lab/data based research or critical review project assessed by dissertation (90%) and oral presentation (10%).			
<b>Module Co-ordinator:</b>	Prof L S Kent, Dr R Davies			

MD4003 Medicine: Honours 5 (Applied Medical Science)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 10	<b>Semester:</b>	2
<b>Academic year:</b>	2013/4			
<b>Availability restrictions:</b>	Available only to students enrolled in the B.Sc. Honours Medicine programme.			
<b>Planned timetable:</b>	To be arranged.			
This module is delivered in small group format, and runs in parallel with the student selected module MD4002 in the second semester. Over the semester individual student contact hours are 25 delivered in 5 cycles. Each student attends for one full day every two weeks. The morning is divided into three parts: integrated clinical scenarios, and a combination of two of the following; a revision tutorial, workshop or skills practical. The afternoon is divided into two parts: feedback and a further session which may be a tutorial, workshop or practical. The feedback session enables students to improve their performance and also includes discussion relating to the simulated cases. New advanced skills are introduced to stimulate clinical development. Skills include ABCDE approach to patient management, breast examination, and cannulation. Clinical decision making and problem reasoning workshops are designed to develop reasoning powers. This series of revision topics relate to patient investigations such as rhythm recognition, 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.				
<b>Programme module type:</b>	Compulsory for B.Sc Honours Medicine			
<b>Pre-requisite(s):</b>	MD3001 and MD3002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 hours in 5 cycles over the semester.			
	<b>Scheduled learning:</b> 48 hours		<b>Guided independent study:</b> 152 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 100%, Coursework = 0%			
	<b>As used by St Andrews:</b> 1 Objectively Structured Clinical Exam (OSCE) of 2 hours duration (100%)			
<b>Module Co-ordinator:</b>	Dr P Bjelogrljic, Dr E Sinclair			