

2018 - 2019

1000 & 2000 Level Module Catalogue



University of
St Andrews
FOUNDED
1413

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Curriculum development

The University will use all reasonable measures to deliver courses of study as they are outlined at the time of offer. However, as a research intensive institution, the University ensures that its teaching is based on and references the research and related interests of its staff, which may change from time to time.

We are also mindful of the best use of our resources to ensure the highest quality experience for our students. As a result, programmes and modules are regularly reviewed with the aim of enhancing students' learning experience.

Any changes are made with due consideration to minimising impact, safeguarding academic standards and assuring quality, and are described at:

www.st-andrews.ac.uk/media/teaching-and-learning/policies/course-revision-protocol.pdf

Introduction to the 1000 & 2000 Level Module Catalogue

The main body of the Catalogue is presented in Sections relating to the Academic Schools in the University. In addition, there are sections for Interdisciplinary Modules (section 23), Music (section 24), English Language Teaching Modules (section 25), Evening Programme Modules (section 26) and Distance Learning Modules (section 27).

Explanation of Fields in Module Entries

Module number and Title. Self-explanatory - module numbers are unique. The third character indicates the module level.

Academic Year. The academic **session** (whether current or planned) in which the module will be offered.

SCOTCAT Credits. The number of credits associated with a module gives an indication of the amount of learning involved. For example, 1000-level modules in the School of Art History are each worth 20 credits. One credit represents the outcome achievable by the average student through 10 notional hours of learner effort. In practice, one full-time undergraduate year is considered to be 120 credits worth of learning (or 1,200 notional hours of learning).

SCQF Level. The **Scottish Credit and Qualifications Framework (SCQF)** Levels provide an indication of the complexity of qualifications and learning. See <http://scqf.org.uk/wp-content/uploads/2014/03/SCQF-Revised-Level-Descriptors-Aug-2012-FINAL-web-version1.pdf>

Semester. The Semester or Semesters in which the module is taught. 'Whole Year' means that it is taught across the two semesters. The St Andrews teaching year has two semesters (September - December, and January - May).

Availability Restrictions. If a module is available but with constraints, these particular restrictions will be clarified in this field.

Planned Timetable. Where a single time is given (e.g. 9.00 am) the class meets for one hour. If days of the week are not specified, the class meets every day from Monday to Friday, with the usual exception of Wednesday afternoons. Further details may be provided in this field.

Description. This is a brief statement of the content of a module.

Pre-requisite(s). Modules or qualifications which must be passed prior to this module. Modules may have pre-requisites reflecting the assumption that they build upon previous knowledge gained. So, for example, the pre-requisite for entry to 2000-level modules in French is a pass in either or both of the 1000-level modules. In the case of certain modules, largely 1000 level, pre-requisites may be framed in terms of specified passes at Higher or A-level. The Head of the relevant School has the authority to waive a pre-requisite. Where the pre-requisite is not simply a pass in another module but includes a grade (eg, '11 or better') the number refers to the 20-point reporting scale.

Co-requisite(s). A module which must be taken in the same academic session as the one listed.

Anti-requisite(s). Students may **not** take a module if they have already passed or are currently taking any module or other qualification specified as an anti-requisite to it.

Learning and Teaching Methods and Delivery. This gives the anticipated **Weekly Contact** hours with academic staff and the formal breakdown of **Scheduled Learning/Guided Independent Study** as defined by the Quality Assurance Agency (QAA).

Weekly Contact. This will be an indication of the weekly teaching provision for each student. Where the pattern of teaching varies from week to week, **the average weekly contact is given**. Various activities may be included. (tutorials, laboratory work, practical sessions, lectures, fieldwork, consultation hours etc).

Scheduled Learning - time spent with an academic member of staff.

Guided Independent Study - time which a student is expected to undertake alone but often under direction.

Assessment pattern. A brief description of the distribution between assessed coursework and formal examination. A percentage breakdown of which elements of assessment qualify in each Quality Assurance Agency (QAA) defined category are also given. These may match the narrative description ("As used by St Andrews"), or they may differ slightly because some elements of Coursework (Class Tests for example) can be considered Written Examinations in a QAA context.

Re-assessment pattern. This is the method by which a module will be re-assessed if it is failed in the main assessment.

Module Co-ordinator. The academic member of staff responsible for this module, or the contact point for further information.

Introduction - 1000 & 2000 Level - 2018/9 - August 2018

Module teaching staff: One or more academic members of staff who are planned to deliver the content of the module.

Additional information by Schools: Self-explanatory.

Semester 1 Timetable 2018/9 - August 2018

	9 am	10 am	11 am	12 noon	1 pm	2 pm	3 pm	4 pm	5 pm
Anc Hist			AN1001					AN2002 ^f	
Arabic	AR2004 ^b	AR2001 ^l	AR1001 [*]	(AR1001) [*]		(AR2001) ⁱ		(AR2001 ⁱ)	
Art Hist						AH1001 ^b AH2001 ^b			
Astronomy			AS1001 [*] AS1101						
Biology	BL2301 ^{v*} BL2302 ^{i*}	BL1101	BL2303 ^{i*} BL2304 ^{v*}	BL2300 [*]		BL1101 ^v			
Chemistry	(CH1202)	(CH1202) CH2201	CH1401 [*] CH2501 [*]	CH1301					
Class Studs	CL2004			CL1004					
Comp Lit					CO1001 CO2001				
Comp Sci	CS1002 ^c CS2001	CS1002 ^c	CS2003	CS1005			CS1002 ^a		
Divinity		DI1001 ^b	DI2003 ^b	DI1003 ^b DI2201 ^b		DI2000 ^b	DI1009 DI1013 ^b	DI1004	
Earth Sciences		ES2001		ES1001 ES2004 [*]		ES2001 ^x	ES2001 ^x	ES2001 ^x	
Economics					EC1003 ^b	EC1001 ^b EC1004 ^b EC2002			
English			EN1003					EN2003	
ELT							ET1001	ET2001	
Film Studies							FM1001 ^d FM2001 ^g		
French	FR1001			FR2203 ^h FR2205 ^x					
Geography	GG2011		GG1001			(GG2011) ^k	(GG2011) ^k	(GG2011) ^k	(GG2011) ^k
German	GM2011 ^k GM2013 ^h GM2014 ^x						GM1001	GM1003	
Greek		GK1001/5 GK2001/3							
Interdiscip'y					ID1003 ^b ID2003 ^a ID2005 ^v			ID2003 ^l ID2005 ^l	ID2005 ^l
Int Rel		IR1005 ^v IR2005 ^l	IR2005 ^h						
Italian		IT1001 ^{k*} IT1013 ^{k*}	(IT1001)	(IT1001)					IT2001 ^x
Latin						LT2001/3	LT1001/3		
Linguistics						LI1001			
Managem't					MN2112 ^f		MN2001	MN1001	
Maths	MT1001 MT1002	MT1010 ^w	MT2502 ^b MT2504 ^w	MT2501 ^w MT2503 ^b					
Med Hist		ME1003 ^b					ME2003 ^b		
Mod Hist			MO2008 ^b	MO1007 ^b					
Music	MU2002 ^q	MU2001 ^{x*}			MU2006 ^d		MU1003/13 ^b		
Persian					PR2001	PR1001			
Philosophy			PY1010			PY2010	PY2011		PY1011
Physics		PH2011 [*]		PH1011 [*]					
Psychology		PS2001 [*]		PS1001 [*]					
Russian			RU1001 [*]				RU2201/3 [*]	RU1005 [*]	
Soc Anth			SA2001					SA1001	
Spanish			SP2001/5	SP1001		SP1003 [*]	(SP1003)		
Sustainable Develop'nt	SD1000 ^b SD2001 ^h	SD2001 ^{h, l}			SD2001 [*]				

a-M, T b-M, T, Th c-either 9 or 10 Th, F d-M, Th f-T, Th g-T, F h-W i-W, Th, F k-M l-Th, q-T, W, Th v-M, T, W w-M, W, F x-T * Further times to be arranged. Where modules are anti-requisites to each other in the same time slot, they are shown on the same line (i.e. LT1001/3) Also available: CS1101, CS2101, FR2201, GM2003, GM2007, IT1003, MD2001, MD2201, PH1501, PH1502, RU2205, SP2006 - times to be arranged. Modules in parentheses are alternative times to the main time - which is shown without parentheses.

Semester 2 Timetable 2018/9 - August 2018

	9 am	10 am	11 am	12 noon	1 pm	2 pm	3 pm	4 pm	5 pm
Anc Hist			AN1002					AN2003 ^f	
Arabic	(AR1002) ^{h*}	AR2002	AR1002	(AR1002) [*]		(AR2002 ^z)	(AR1002) ^{e*}	(AR1002) ^{p*} (AR2002 ⁱ)	
Art Hist						AH1003 ^b AH2002 ^b			
Astronomy			AS1002 AS2001* AS2101*						
Biology	BL2305 ^{n*} BL2306 ^{i*}	BL1102* BL2309 ^{i*}	BL2307 ^{i*} BL2308 ^{n*}	BL2310 ^{i*}					
Chemistry		CH1402*	CH1601* CH2701*	CH2601* CH2603*					
Class Studs	CL2003			CL1005					
Comp Lit					CO1002 CO2002				
Comp Sci	CS2002		CS1006 CS2006				CS1003 ^a		
Divinity		DI1012 ^b	DI2001 ^b	DI1006 ^b		DI2006 ^b	DI1013 ^b DI1201 ^b DI2002 ^b	DI1005 ^b	
Earth Sciences		ES2002 ^w ES2003 ^f		ES1002 ES2004*		ES1002 ^z ES2002 ^x ES2003 ^k	ES1002 ^z ES2002 ^x ES2003 ^k	ES2002 ^x ES2003 ^k	ES2003 ^k
Economics				EC2203 ^b	EC1008 ^b	EC1002 ^b EC2001*			
English			EN1004					EN2004	
ELT							ET1002	ET2002	
Film Studies							FM1002 ^d FM2002 ^g		
French	FR1002			FR2204 ^h FR2206 ^x					
Geography	GG2012		GG1002			GG2012 ^k	GG2012 ^k	GG2012 ^k	GG2012 ^k
German	GM2014 ^{x*}						GM1002	GM1004	
Greek		GK1002/6 GK2002/4							
History			HI2001 ^b			MH2002 ^b			
Interdiscip'y					ID1004 ^m ID1006				
Int Rel		IR1006 ^q						IR2006 ^f	
Italian		IT1002 ^{k*}	(IT1002)	(IT1002)	(IT1002)				IT2002 ^{x*}
Latin						LT2002/4	LT1002/4		
Linguistics						LI1002			
Management							MN2002	MN1002	
Maths	MT1002 MT1003 MT2506 ^b		MT1007 MT2501 ^b MT2505 ^w	MT2507 ^w MT2508 ^b					
Med Hist		ME1006 ^b	HI2001 ^b			MH2002 ^b			
Middle East Hist			HI2001 ^b			MH2002 ^b			
Mod Hist			HI2001 ^b	MO1008 ^b		MH2002 ^b			
Music	MU2002 ^q	MU1006 MU2001* ^x				MU2004 ^y	MU1004 ^p		
Persian					PR2002	PR1002			
Philosophy			PY1013 ^b			PY2012	PY2013		PY1012
Physics		PH2012*		PH1012*					
Psychology		PS2002*		PS1002*					
Russian		RU2202*	RU1002*				RU2204*	RU1006*	
Soc Anth			SA2002					SA1002	
Spanish			SP2002	SP1002	SP1030 ^t	SP1004	(SP1004)		
Sustainable Developm't	SD1004 ^q	SD2002*	SD2002*		SD2002*				

a. M, T b. M, T, Th d. M, Th e. T, W, Th, F f. T, Th g. T, F h. W i. W, Th, F k. M m. M, T, F n. M, T, W q. T, W, Th p. T, Th, F t. M, F w. M, W, F x. T y. M, Th, F z. Th, F * Further times to be arranged. Where modules are anti-requisites to each other in the same time slot, they are shown on the same line (i.e. LT1002/4) Also available: CS1101, FR2202, GM2008, IT1004, IT1014, MD2002, PH1503, RU2206, SP2006 - times to be arranged. Modules in parentheses are alternative times to the main time - which is shown without parentheses.

School of Art History

Art History (AH) modules

AH1001 The Art of the Renaissance in Italy and Northern Europe				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu (lectures)			
This 20 credit module provides a survey of painting, sculpture and architecture in Italy and northern Europe from c. 1280 to c.1580. It traces a chronological development through the work of major personalities from Giotto at the beginning of the fourteenth century, to Durer, Michelangelo and Titian in the sixteenth century. Attention will also be paid to the issues relating to the wider artistic situation of the Late Gothic and Renaissance periods, including those of patronage, iconography, technique and types of commission.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial (x 10 weeks), tutor's optional office hour (x 10 weeks), field trip to Edinburgh - 8 hours			
	Scheduled learning: 48 hours		Guided independent study: 152 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr S O'Rourke			
Module teaching staff:	Team taught			

AH1003 European Art and Architecture in the Seventeenth and Eighteenth Centuries				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu (lectures)			
This module provides an introduction to European art and architecture of the seventeenth and eighteenth centuries. It begins with a study of Baroque art and architecture in Italy, concentrating upon Gianlorenzo Bernini, Caravaggio and the Carracci. From Italy the focus shifts to Spain to introduce Diego Velazquez and his contemporaries. Next there is a series of lectures devoted to art and architecture in France. A further series of lectures treats seventeenth-century painting in Flanders and Holland. These emphasise Peter Paul Rubens, Anthony van Dyck, Rembrandt van Rijn and Jan Vermeer. Subsequent lectures introduce eighteenth-century painting in Italy and France. Much of the later part of the module focuses on art and architecture in Britain.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial (x 11 weeks), tutor's optional office hour(x 12 weeks), field trip to Edinburgh - 8 hours			
	Scheduled learning: 52 hours		Guided independent study: 148 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr S O'Rourke			
Module teaching staff:	Team taught			

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AH2001 History and Theory of European Art, Architecture and Design from the French Revolution to Vienna 1900

SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu (lectures)			
The module provides students with a systematic understanding of the most significant art historical developments in nineteenth-century Europe. It aims to facilitate analytic and interpretative skill using available documentation, and to educate students in the study of visual objects and material history. The module provides a close study of the most significant individual artists, and proceeds to look generally at the emergence of avant-garde movements. There is a theoretical component which provides the broader context for these developments.				
Pre-requisite(s):	Before taking this module you must pass AH1001 or pass AH1003			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial (x 10 weeks), tutor's optional office hour(x 11 weeks), field trip to Edinburgh - 8 hours			
	Scheduled learning: 48 hours		Guided independent study: 152 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	Team taught			

AH2002 Art, Culture and Politics, from 1900 to Now

SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu (lectures)			
This module offers a survey of some of the most compelling episodes in twentieth-century art, including Cubism, Abstract Expressionism, and Postmodernism. International in focus, lectures will address how artists, architects, photographers and designers have responded to the increasingly industrialised and face-paced nature of modern experience. Students will also explore how the century's major political and social upheavals led to a constant re-evaluation of what might be expected of art. Each week will be devoted to a specific theme, such as 'myths of modernism', 'the metropolis', 'Post-war crisis', or 'globalisation'.				
Pre-requisite(s):	Before taking this module you must pass AH1001 or pass AH1003			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial (x 11 weeks), tutor's optional office hour(x 12 weeks), field trip to Edinburgh - 8 hours			
	Scheduled learning: 52 hours		Guided independent study: 148 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	Team taught			

School of Biology

Biology (BL) modules

BL1101 Biology 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	10.00 am; Practical classes one per week 2.00 - 5.00 pm Mon, Tue, or Wed			
This module is an introduction to molecular and cellular biology. It covers cell diversity and the origins of life, cellular structures and fundamental processes. The central dogma of molecular biology is investigated through the examination of the structure and function of DNA, RNA and proteins, and how this knowledge led to modern developments in biotechnology. The final section of the module gives an introduction into molecular and population genetics with an emphasis on the process of evolution. Throughout the module the lecture material is complemented by extensive practical classes where biological laboratory techniques are taught and practiced through, for example, microscopy, DNA isolation, dissection and thin layer chromatography.				
Learning and teaching methods of delivery:	Weekly contact: 5 x 1-hour lectures and 1 x 3-hour practical (x 11 weeks).			
	Scheduled learning: 88 hours		Guided independent study: 112 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 65%, Practical Examinations = 0%, Coursework = 35%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-hour Written Examination = 50%, Existing Coursework = 50%			
Module coordinator:	Dr P J Coote			
Module teaching staff:	Team taught			

BL1102 Biology 2				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	10.00 am, Practical classes one per week 2.00 - 5.00 pm Mon, Tue, or Wed			
This module provides an introduction to the diversity of life on Earth and will address key elements of organismal and ecological aspects of life. The module is divided into several sections beginning with the classification of life and an introduction to the kingdoms Monera, Fungi and Protista. Photosynthesis, respiration and the evolution and diversity of plants will be studied. Students will then look at the diversity of animals in the sea and the movement of some groups onto land. The module will also provide an introduction to animal behaviour and developmental biology, before finishing off by introducing ecology and the various factors promoting and threatening biodiversity. Throughout the module the lecture material is complemented by extensive practical classes introducing a variety of fieldwork and laboratory techniques.				
Learning and teaching methods of delivery:	Weekly contact: 5 x 1-hour lectures (x 11 weeks) and 1 x 3-hour practical (x 9 weeks)			
	Scheduled learning: 82 hours		Guided independent study: 119 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 7%, Coursework = 43%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-hour Written Examination = 50%, Existing Coursework = 50%			
Module coordinator:	Dr M M Webster			
Module teaching staff:	Team taught			

Biology - 1000 & 2000 Level - 2018/9 - August - 2018

BL2300 Research Methods in Biology			
SCOTCAT Credits:	15	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	Lectures: 12.00 noon Tue, Thu (odd weeks) 12.00 noon Wed, Fri (even weeks) Practical classes: 2.00 - 5.00 pm Wed, Thu or Fri (weeks 3, 4, 7, 8, 9, 10)		
	This module will help students develop essential academic and transferable skills, with major emphasis on problem solving. This will be achieved through a combination of interactive lectures, independent data-handling workshops and group work on a mini research project. The module will start with an introduction to the scientific method, experimental design, understanding and presenting data. Students will then learn various statistical tests using a code-based statistical software and build their confidence in independent data-handling workshops. Regular mathematics for biologists classes will allow students to practise manipulating equations, performing laboratory calculations etc. A mini project on which the students work in small groups will help them apply the principles learned. The module will also cover scientific essay writing, record keeping and good laboratory practice.		
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102		
Learning and teaching methods of delivery:	Weekly contact: 2 x 1-hour lecture (x 10 weeks), 1 x 3-hour practical (x 6 weeks)		
	Scheduled learning: 38 hours	Guided independent study: 112 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	Alternative assessment to the same weighting as the failed item of assessment		
Module coordinator:	Dr V C J Dietrich-Bischoff		
Module teaching staff:	Team taught		

BL2301 Cell Biology			
SCOTCAT Credits:	15	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	Lectures: 9.00 am Mon, Tue, Wed (odd weeks) 9.00 am Mon, Tue (even weeks) Practicals: 2.00 pm - 5.00 pm Mon or Tue (weeks 1, 3, 5, 8 & 10)		
	The module will introduce the concept of 'a cell', moving on to discuss different types of prokaryotic and eukaryotic cell. The structure and function of a variety of sub-cellular compartments will be examined. The diversity of different cell types within multicellular organisms will be highlighted, together with an overview of how this diversity is achieved.		
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102		
Anti-requisite(s)	You cannot take this module if you take BL2101		
Learning and teaching methods of delivery:	Weekly contact: 2 x 1-hour lecture (even weeks) 3 x 1-hour lecture (odd weeks), 3-hour practical classes (x 5 weeks)		
	Scheduled learning: 39 hours	Guided independent study: 111 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-Hour Written Examination = 50%, Existing Coursework = 50% (if Exam failed) Existing Examination = 50%, New Coursework = 50% (if Coursework failed) 2-hour Written Examination = 100% (if coursework and exam failed) 2-hour Written Examination = 100% (for Qualified Honours Entry)		
Module coordinator:	Dr J E Sleeman		
Module teaching staff:	Team taught		

BL2302 Molecular Biology			
SCOTCAT Credits:	15	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	Lectures: 9.00 am Thu, Fri (odd weeks) 9.00 am Wed, Thu, Fri (even weeks) Practicals: 2.00 pm - 5.00 pm Mon or Tue (weeks 2, 4, 7, 9 & 11)		
Molecular biology is an essential tool within modern biology, widely used in biochemistry, cell biology and ecology. This module will provide an introduction to modern molecular biology. Lectures will cover fundamental biological processes such as transcription, translation, DNA replication and repair - as well as touch on the genomics revolution and how this has influenced the field. These concepts will be reinforced through laboratory practical classes where students will develop their practical skills and be exposed to the use of basic bioinformatics resources to analyse and interpret data.			
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102		
Anti-requisite(s)	You cannot take this module if you take BL2104		
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour in even weeks and 2 x 1-hour in odd weeks, 3-hour practical (x 5 weeks)		
	Scheduled learning: 39 hours	Guided independent study: 111 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-Hour Written Examination = 50%, Existing Coursework = 50% (if Exam failed) Existing Examination = 50%, New Coursework = 50% (if Coursework failed) 2-hour Written Examination = 100% (if coursework and exam failed) 2-hour Written Examination = 100% (for Qualified Honours Entry)		
Module coordinator:	Dr H C Ferreira		
Module teaching staff:	Team taught		

BL2303 Evolutionary Biology			
SCOTCAT Credits:	15	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	Lectures: 11.00 am Thu, Fri (odd weeks) 11.00 am Wed, Thu, Fri (even weeks) Practicals: 2.00 - 5.00 pm Thu or Fri (weeks 1, 3, 5, 8 & 10)		
Evolution is a fundamentally important component of our understanding of all biological phenomena, from molecular to ecosystem scales. This module will give an overview of the history and major principles of modern evolutionary biology, aimed at contemporary biologists of all backgrounds.			
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102		
Anti-requisite(s)	You cannot take this module if you take BL2105		
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour in even weeks and 2 x 1-hour in odd weeks, 3-hour practical (x 5 weeks)		
	Scheduled learning: 39 hours	Guided independent study: 111 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-Hour Written Examination = 50%, Existing Coursework = 50% (if Exam failed) Existing Examination = 50%, New Coursework = 50% (if Coursework failed) 2-hour Written Examination = 100% (if coursework and exam failed) 2-hour Written Examination = 100% (for Qualified Honours Entry)		
Module coordinator:	Prof M G Ritchie		
Module teaching staff:	Team taught		

Biology - 1000 & 2000 Level - 2018/9 - August - 2018

BL2304 Invertebrate Zoology			
SCOTCAT Credits:	15	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	Lectures: 11.00 am Mon, Tue, Wed (odd weeks) 11.00 am Mon, Tue (even weeks) Practicals: 2.00 - 5.00 pm Thu or Fri (weeks 2, 4, 7, 9 & 11)		
<p>The vast majority of animals are invertebrates - they do not have backbones. This module surveys the major invertebrate groups, emphasizing the diversity of body plans while demonstrating how the common functional requirements such as feeding, reproduction, respiration and excretion are achieved. The module starts with the simplest animals such as sponges and jellyfish, and considers how these primitive animals may have arisen from non-animal ancestors. It continues with a description of the several groups of worms, and the molluscs and arthropods. The last major group discussed are the echinoderms, which are close invertebrate relatives to vertebrate animals such as ourselves. The economic, social, and scientific impact that invertebrates have on human society is identified. The evolutionary relations between the various groups is the common thread that binds this diversity into a coherent story. A series of practical exercises reinforces and complements the lecture component of this module.</p>			
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102		
Anti-requisite(s)	You cannot take this module if you take BL2102		
Learning and teaching methods of delivery:	Weekly contact: 2 x 1-hour in even weeks and 3 x 1-hour in odd weeks, 3-hour practical (x 5 weeks) 2 hours of seminars in total.		
	Scheduled learning: 39 hours	Guided independent study: 111 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-Hour Written Examination = 50%, Existing Coursework = 50% (if Exam failed) Existing Examination = 50%, New Coursework = 50% (if Coursework failed) 2-hour Written Examination = 100% (if coursework and exam failed) 2-hour Written Examination = 100% (for Qualified Honours Entry)		
Module coordinator:	Dr W J Heitler		
Module teaching staff:	Team taught		

BL2305 Cell Systems				
SCOTCAT Credits:	15	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 9.00 am Mon, Tue, Wed (odd weeks) 9.00 am Mon, Tue (even weeks) Practicals: 2.00 pm - 5.00 pm Mon or Tue (weeks 2, 4, 6, 8 & 10)			
Cells are often considered to be the fundamental unit of life. This module will discuss how cells interact with one another to form complex tissues and organisms. You will consider, the structure-function relationship of a variety of cell types, including those involved in forming muscles, neuronal networks, blood and immunity and infectious diseases. The mechanisms by which cells communicate in order to mediate the complex physiology of an organism will be discussed and you will consider how disruption of these cell systems can lead to disease states.				
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102			
Anti-requisite(s)	You cannot take this module if you take BL2101			
Learning and teaching methods of delivery:	Weekly contact: 2 x 1-hour in even weeks and 3 x 1-hour in odd weeks, 3-hour practical (x 5 weeks)			
	Scheduled learning: 39 hours		Guided independent study: 111 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-Hour Written Examination = 50%, Existing Coursework = 50% (if Exam failed) Existing Examination = 50%, New Coursework = 50% (if Coursework failed) 2-hour Written Examination = 100% (if coursework and exam failed) 2-hour Written Examination = 100% (for Qualified Honours Entry)			
Module coordinator:	Dr G R Prescott			
Module teaching staff:	Team taught			

BL2306 Biochemistry				
SCOTCAT Credits:	15	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 9.00 am Thu, Fri (odd weeks), 9.00 am Wed, Thu, Fri (even weeks) Practicals: 2.00 pm - 5.00 pm Mon or Tue (weeks 1, 3, 5, 7, 9 & 11)			
Due to recent technological developments, metabolism and its regulation has re-emerged as an important area of Biology. This module will examine major biological macromolecules, the common motifs which occur in metabolic reactions, explore the properties of enzymes catalysing these reactions and consider the approaches to characterise the small molecule complement (metabolites) of biological systems. A number of central metabolic pathways and their control will be studied in detail, alongside examples of their importance in disease and recent metabolomic studies.				
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102			
Anti-requisite(s)	You cannot take this module if you take BL2104			
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour in even weeks and 2 x 1-hour in odd weeks, 3-hour practical (x 6 weeks)			
	Scheduled learning: 42 hours		Guided independent study: 108 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-Hour Written Examination = 50%, Existing Coursework = 50% (if Exam failed) Existing Examination = 50%, New Coursework = 50% (if Coursework failed) 2-hour Written Examination = 100% (if coursework and exam failed) 2-hour Written Examination = 100% (for Qualified Honours Entry)			
Module coordinator:	Dr J Nairn			
Module teaching staff:	Team taught			

Biology - 1000 & 2000 Level - 2018/9 - August - 2018

BL2307 Ecology			
SCOTCAT Credits:	15	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	Lectures: 11.00 am Thu, Fri (odd weeks) 11.00 am Wed, Thu, Fri (even weeks) Practicals: 2.00 pm - 5.00 pm Thu or Fri (weeks 2, 4, 6, 8 & 10)		
This module introduces basic concepts in population and community ecology and how they relate to biodiversity. It provides an understanding of fundamental ecological concepts including population regulation, intra- and inter-specific competition, species niche as well as taxonomic and functional diversity. This module is suitable for all Biologists and environmental scientists. Although it is an introductory module, it will cover the latest developments in the field of ecology.			
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102		
Anti-requisite(s)	You cannot take this module if you take BL2105		
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour in even weeks and 2 x 1-hour in odd weeks, 3-hour practical (x 5 weeks)		
	Scheduled learning: 39 hours	Guided independent study: 111 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-Hour Written Examination = 50%, Existing Coursework = 50% (if Exam failed) Existing Examination = 50%, New Coursework = 50% (if Coursework failed) 2-hour Written Examination = 100% (if coursework and exam failed) 2-hour Written Examination = 100% (for Qualified Honours Entry)		
Module coordinator:	Prof O E Gaggiotti		
Module teaching staff:	Team taught		

BL2308 Vertebrate Zoology				
SCOTCAT Credits:	15	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 11.00 am Mon, Tue, Wed (odd weeks) 11.00 am Mon, Tue (even weeks) Practicals: 2.00 pm - 5.00 pm Thu or Fri (weeks 1, 3, 5, 7, 9 & 11)			
	This module will explore the diversity of vertebrate animals, beginning with the closest relatives of vertebrates and the evolutionary origins of the group. A detailed look at the defining characteristics of the body plans and lifestyles of the key vertebrate groups will illustrate how they carry out basic animal functions in similar or different ways. This will be put in an evolutionary context to reveal the patterns and trends in the vertebrates as a whole, while also highlighting current phylogenetic controversies. The module will then explore some common themes across the key groups, starting with the developmental biology of some vertebrate model systems and the lessons we can learn from these. We will also see how the highly developed brains of vertebrates have allowed the evolution of astonishing sensory capacities and of complex behaviours, and how these are different (or not) from invertebrates.			
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102			
Anti-requisite(s)	You cannot take this module if you take BL2102			
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour in even weeks and 2 x 1-hour in odd weeks, 3-hour practical (x 6 weeks)			
	Scheduled learning: 42 hours		Guided independent study: 108 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-Hour Written Examination = 50%, Existing Coursework = 50% (if Exam failed) Existing Examination = 50%, New Coursework = 50% (if Coursework failed) 2-hour Written Examination = 100% (if coursework and exam failed) 2-hour Written Examination = 100% (for Qualified Honours Entry)			
Module coordinator:	Dr V C J Dietrich-Bischoff			
Module teaching staff:	Team taught			

BL2309 Applied Molecular Biology				
SCOTCAT Credits:	15	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 10.00 am Thu, Fri (odd weeks) 10.00 am Wed, Thu, Fri (even weeks) Practicals: 2.00 - 5.00 pm Thu or Fri (weeks 2, 4, 6, 8 & 10)			
	Techniques in molecular biology represent a powerful box of tools that are used to address a wide variety of modern research questions across a broad range of biological disciplines including; ecology, biotechnology, cell biology, medicine, conservation biology, infectious disease, evolution, genetics and synthetic biology. Key molecular biology techniques will be introduced in the context of case studies that will provide examples of how molecular biology techniques are being used in cutting edge research to address real-life questions and problems that impact health, food security, the environment and the economy.			
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102			
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour in even weeks and 2 x 1-hour in odd weeks, 3-hour practical (x 5 weeks)			
	Scheduled learning: 39 hours		Guided independent study: 111 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 50%, Coursework = 0%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-Hour Written Examination = 50%, Existing Coursework = 50% (if Exam failed) Existing Examination = 50%, New Coursework = 50% (if Coursework failed) 2-hour Written Examination = 100% (if coursework and exam failed) 2-hour Written Examination = 100% (for Qualified Honours Entry)			
Module coordinator:	Dr C S Adamson			
Module teaching staff:	Team taught			

Biology - 1000 & 2000 Level - 2018/9 - August - 2018

BL2310 Comparative Physiology			
SCOTCAT Credits:	15	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	Lectures: 12.00 noon Mon, Tue, (odd weeks) 12.00 noon Mon, Tue, Wed (even weeks) Practical classes: 2.00 - 5.00 pm Mon or Tue (weeks 3, 5, 7, 9, 11)		
	A comparative physiologist studies organisms to explore the origins and nature of physiological diversity. This module covers the principles of physiological adaptation in a range of animals, including examples from all major taxa and from all habitats. The specific topics and components include: (1) the physiological consequences of body size and scaling effects; (2) respiratory and circulatory systems in vertebrates and invertebrates; (3) thermal physiology; (4) water balance in aquatic and land animals; (5) the mammalian kidney and its functioning; (6) sensory systems in different environments; (7) neural signaling and vertebrate senses; (8) control systems - hormones and pheromones; and (9) immunity and the maintenance of physiological integrity.		
Pre-requisite(s):	Before taking this module you must pass BL1101 and pass BL1102		
Anti-requisite(s)	You cannot take this module if you take BL2106		
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour in even weeks and 2 x 1-hour in odd weeks, 3-hour practical (x 5 weeks)		
	Scheduled learning: 39 hours	Guided independent study: 111 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 50%, Coursework = 0%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-Hour Written Examination = 50%, Existing Coursework = 50% (if Exam failed) Existing Examination = 50%, New Coursework = 50% (if Coursework failed) 2-hour Written Examination = 100% (if coursework and exam failed) 2-hour Written Examination = 100% (for Qualified Honours Entry)		
Module coordinator:	Prof S D Healy		
Module teaching staff:	Team taught		

School of Chemistry

Chemistry (CH) modules

CH1202 Introductory Chemistry for Second Year Direct Entry Students				
SCOTCAT Credits:	10	SCQF Level 7	Semester	1
Academic year:	2018/9			
Availability restrictions:	Only available to students entering Single Honours Chemistry programmes and Biomolecular Science at Level 2000			
Planned timetable:	9.00 am or 10.00 am			
This module provides an introduction to some of the fundamental aspects of Chemistry and is for students entering the Chemistry BSc and MChem courses directly into second year. The module will cover structure and bonding in inorganic chemistry, states of matter and an introduction to thermodynamics and the solid state in physical chemistry and bonding, stereochemistry and reaction mechanisms in organic chemistry.				
Pre-requisite(s):	Students must have advanced higher chemistry at grade a, or A-Level chemistry at grade a or equivalent.			
Anti-requisite(s)	You cannot take this module if you take CH1401 or take CH1402 or take CH1601			
Co-requisite(s):	You must also take CH2501			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures or tutorials. Students are also required to complete 3 x 3-hour practicals in Week 1 only, integrated within their CH2501 laboratory hours.			
	Scheduled learning: 30 hours		Guided independent study: 70 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: 1.5-hour Written Examination = 100%			
Re-assessment pattern:	1.5-hour Written Examination = 100%			
Module coordinator:	Dr J B O Mitchell			
Module teaching staff:	Prof P Lightfoot, Dr B A Chalmers, Prof N J Westwood, Prof A D Smith, Dr R M J Goss, Dr J B O Mitchell, Dr T van Mourik, Prof D Philp			

CH1301 The Impact of Chemistry				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	12.00 noon			
This module explores the impact that chemistry has on all our lives and all aspects of society. Starting with the chemical origins of life in the primordial soup, it will explore fuel and energy, the great challenge of global warming, forensic chemistry, chemistry and the environment, and chemistry in food production.				
Pre-requisite(s):	Standard grade or gcse chemistry. Students with no formal qualification in chemistry may be admitted but should expect to undertake additional tutorial work and private study			
Learning and teaching methods of delivery:	Weekly contact: 5 lectures (x 8 weeks) and 1 group project hour (x 1 week).			
	Scheduled learning: 41 hours		Guided independent study: 159 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 70%, Practical Examinations = 20%, Coursework = 10%			
	As used by St Andrews: 2-hour Written Examination = 70%, 15-minute Practical Examination = 20%, Coursework = 10%			
Re-assessment pattern:	2-hour Written Examination = 70%, Existing 15-minute Practical Examination = 20%, Existing Coursework = 10%			
Module teaching staff:	Dr R A Aitken, Prof S E M Ashbrook, Dr P A Connor, Prof T K Smith, Prof J T S Irvine, tea			

Chemistry - 1000 & 2000 Level - 2018/9 - August - 2018

CH1401 Introductory Inorganic and Physical Chemistry				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	Lectures: 11.00 am, Practical classes: One per week 2.00 to 5.00 pm			
The module includes lectures on the origin of the elements, atoms and the Periodic Table, shapes and properties of molecules, chemistry of the elements, properties of solutions, thermochemistry, thermodynamics and kinetics.				
Pre-requisite(s):	In taking this module you must have higher or A-Level chemistry at grade b or above or equivalent			
Anti-requisite(s)	You cannot take this module if you take CH1202			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 1 x 3-hour afternoon practical.			
	Scheduled learning: 74 hours		Guided independent study: 126 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 60%, Existing Coursework = 40%			
Module coordinator:	Dr S King			
Module teaching staff:	Prof P A Wright, Prof R E Morris, Dr P Kilian, Dr Simon King			

CH1402 Inorganic and Physical Chemistry 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 10.00 am, Practical classes: One per week 2.00 to 5.00 pm			
The module includes lectures on bonding in simple molecules, inorganic solids, chemistry of the first row transition metals, properties of solids, states of matter and introductory spectroscopy.				
Pre-requisite(s):	Before taking this module you must pass CH1401 or have passed higher or A-Level chemistry (or equivalent) at grade b or better.			
Anti-requisite(s)	You cannot take this module if you take CH1202			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 1 x 3-hour afternoon practical.			
	Scheduled learning: 74 hours		Guided independent study: 126 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 5%, Coursework = 35%			
	As used by St Andrews: 2-hour Written Examination = 60%, 1-hour Practical Examination = 5%, Coursework = 35%			
Re-assessment pattern:	2-hour Written Examination = 60%, Existing 1-hour Practical Examination = 5%, Existing Coursework = 35%			
Module coordinator:	Dr T Van Mourik			
Module teaching staff:	Dr F D Morrison, Dr T van Mourik, Dr G Haehner, Prof P Lightfoot, Dr B E Bode, Prof R E Morris			

CH1601 Organic and Biological Chemistry 1

SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 11.00 am, Practical classes: One per week 2.00 to 5.00 pm			
The module includes lectures on the structure, stereochemistry and nomenclature of simple organic compounds, fundamental organic reaction mechanisms, organic functional groups and their reactions, introductory bioorganic chemistry, and organic spectroscopy.				
Pre-requisite(s):	Before taking this module you must have passed higher or A-Level chemistry at grade b or above or other equivalent qualification.			
Anti-requisite(s)	You cannot take this module if you take CH1202			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 1 x 3-hour afternoon practical.			
	Scheduled learning: 80 hours		Guided independent study: 120 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 5%, Coursework = 35%			
	As used by St Andrews: 2-hour Written Examination = 60%, 1-hour Practical Examination = 5%, Coursework = 35%			
Re-assessment pattern:	2-hour Written Examination = 60%, Existing 1-hour Practical Examination = 5%, Existing Coursework = 35%			
Module teaching staff:	Prof D Philp, Prof A D Smith, Dr R J M Goss			

CH2201 A First Course in Organic Chemistry

SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available to non-graduating students only			
Planned timetable:	10.00 am			
This module is an introductory course in organic chemistry. It covers aspects of structure, bonding and stereochemistry in Organic Chemistry. The syllabus includes the chemistry of alkanes, simple cycloalkanes, alkenes and alkynes together with functional group chemistry, largely that of singly-bonded functional groups. The chemistry is discussed and rationalised with reference to reaction mechanisms. The lecture course is complemented by a laboratory course.				
Pre-requisite(s):	Available to non-graduating students only			
Anti-requisite(s)	You cannot take this module if you take CH1202 or take CH1601			
Learning and teaching methods of delivery:	Weekly contact: 3 - 4 lectures, 1 tutorial, 2 afternoon practical classes.			
	Scheduled learning: 87 hours		Guided independent study: 113 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 15%, Coursework = 25%			
	As used by St Andrews: 2-hour Written Examination = 60%, 1-hour Practical Examination = 15%, Coursework = 25%			
Re-assessment pattern:	2-hour Written Examination = 80%, Existing Coursework = 20%			
Module coordinator:	Dr R A Aitken			
Module teaching staff:	Dr H Mitchell			

Chemistry - 1000 & 2000 Level - 2018/9 - August - 2018

CH2501 Inorganic Chemistry 2				
SCOTCAT Credits:	30	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	Lectures: 11.00 am, Practical classes: Two per week 2.00 to 5.00 pm			
The module includes lectures on metal complexes and organometallics, descriptive transition-metal chemistry, atmospheric chemistry, solid-state chemistry and descriptive main-group chemistry.				
Pre-requisite(s):	Before taking this module you must pass CH1402 or (pass CH1401 and pass CH1601)			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 2 x 3-hour afternoon practicals.			
	Scheduled learning: 93 hours		Guided independent study: 207 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 5%, Coursework = 35%			
	As used by St Andrews: 3-hour Written Examination = 60%, 15-minute Practical Examination = 5%, Coursework = 35%			
Re-assessment pattern:	3-hour Written Examination = 60%, Existing 15-minute Practical Examination = 5%, Existing Coursework = 35%			
Module teaching staff:	Dr P Kilian, Prof P Lightfoot, Dr E Zysman-Colman			

CH2601 Organic Chemistry 2				
SCOTCAT Credits:	30	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 12.00 noon, Practical classes: Two per week 2.00 to 5.00 pm			
The module includes lectures on carbon-carbon bond formation, interconversion of functional groups, aromatic and heteroaromatic reactivity, mechanistic biological chemistry and organic spectroscopy.				
Pre-requisite(s):	Before taking this module you must pass CH1601 or pass CH1202			
Anti-requisite(s)	You cannot take this module if you take CH2603			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 2 x 3-hour afternoon practicals.			
	Scheduled learning: 115 hours		Guided independent study: 185 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 7%, Coursework = 33%			
	As used by St Andrews: 3-hour Written Examination = 60%, 1-hour Practical Examination = 7.5%, Coursework = 32.5%			
Re-assessment pattern:	3-hour Written Examination = 60%, Existing 1-hour Practical Examination = 7.5%, Existing Coursework = 32.5%			
Module teaching staff:	Dr G J Florence, Prof M L Clarke, Dr R A Aitken, tea			

CH2603 Organic Chemistry 2 (French)

SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	12.00 noon on selected days according to the timetable for FR2022. Practical classes: Two per week 2.00 to 5.00 pm			
The module includes lectures on carbon-carbon bond formation, interconversion of functional groups, aromatic and heteroaromatic reactivity, mechanistic biological chemistry and organic spectroscopy.				
Pre-requisite(s):	Entry to single honours chemistry programmes or biomolecular science at level 2000			
Anti-requisite(s)	You cannot take this module if you take CH2601			
Co-requisite(s):	You must also take FR2022			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures, 1 tutorial and 5 hours of practicals over 2 afternoons.			
	Scheduled learning: 76 hours		Guided independent study: 124 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 7%, Coursework = 33%			
	As used by St Andrews: 2-hour Written Examination = 60%, 1-hour Practical Examination = 7%, Coursework = 33%			
Re-assessment pattern:	2-hour Written Examination = 60%, Existing 1-hour Practical Examination = 7%, Existing Coursework = 33%			
Module coordinator:	Dr R A Aitken			
Module teaching staff:	Dr G J Florence, Prof M L Clarke, Dr R A Aitken, tea			

CH2701 Physical Chemistry 2

SCOTCAT Credits:	30	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 11.00 am, Practical classes: Two per week 2.00 to 5.00 pm			
The module includes lectures on quantum mechanics, thermodynamics and electrochemistry, kinetics, molecular spectroscopy and diffraction and mathematical tools for chemistry.				
Pre-requisite(s):	Before taking this module you must pass CH1202 or pass CH1402			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 2 x 3-hour afternoon practicals.			
	Scheduled learning: 106 hours		Guided independent study: 194 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 5%, Coursework = 35%			
	As used by St Andrews: 3-hour Written Examination = 60%, 1-hour Practical Examination = 5%, Coursework = 35%			
Re-assessment pattern:	3-hour Written Examination = 60%, Existing 1-hour Practical Examination = 5%, Existing Coursework = 35%			
Module coordinator:	Prof W Zhou			
Module teaching staff:	Prof C J Baddeley, Dr G Haehner, Prof P A Wright, Prof S E M Ashbrook, Dr R Schaub			

School of Classics

Ancient History (AH) modules

AN1001 The Greeks in a Wider World			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	11.00 am		
<p>This module provides a wide-ranging introduction to the history and society of the ancient Greek world and to the sources (archaeological, epigraphical, literary) on which the study of Greek history depends. The period covered runs from the origins of the Greek city-state in the archaic period, through the heyday of Athens' empire and democracy in the fifth century, to Alexander the Great's conquest of the Persian Empire. The module examines both the political and military history of the Greek world in this period and a range of other themes: amongst them, the impact of slavery on Greek culture, the distinctive Greek construction of sexuality, religious beliefs and practices, and the nature of Greek interactions with other, non-Greek peoples. It also looks beyond the major centres (Athens, Sparta) at a range of other lesser-known cities and sites. All sources are studied in translation, and the module does not take for granted any previous study; the objective of the module is to give you both the wide background and the tools of source criticism required to pursue the study of ancient history further.</p>			
Learning and teaching methods of delivery:	Weekly contact: 33 lectures and 7 tutorials across the semester.		
	Scheduled learning: 39 hours	Guided independent study: 161 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr S Lewis		
Module teaching staff:	Team taught		

AN1002 Rome and the Mediterranean			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	11.00 am		
<p>This module traces Rome's trajectory from a small settlement in Central Italy to the centre of a Mediterranean empire. Covering a period from the earliest evidence of habitation to the death of the first emperor Augustus, it puts the history of the Roman republic - often studied in isolation - in its wider Mediterranean context. The two central themes are the progressive expansion of Roman power abroad and the development and eventual collapse of republican government at home. The module combines political and military history with economic, social and cultural analysis as it explores how Roman (and Italian) society was transformed by the imperial experience. It will cover a wide range of topics including religion, slavery, poverty and the economy. The module is grounded in the close analysis of written sources (all studied in translation) and archaeological evidence. It will give you a solid background in Roman history to Augustus and develop your skills in critical thinking and historical reasoning, preparing you for further study of ancient history.</p>			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures (x 11 weeks) and 7 tutorials across the semester.		
	Scheduled learning: 39 hours	Guided independent study: 161 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module teaching staff:	Team taught		

Classics - 1000 & 2000 Level - 2018/9 - August - 2018

AN2002 The Roman Empire			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	4.00 pm Tue and 4.00 pm Thu		
<p>This module explores the complex history of the Roman Empire from Augustus to Late Antiquity, an empire which, for the first and last time, united the whole Mediterranean and its diverse hinterlands. Yet Roman diplomatic and economic connections spread far beyond to Iran, India, China and sub-Saharan Africa. The history and archaeology of this period are studied through the themes of power, society, gender, cultures, soldiers, cities, economies, and religions. How did an ever-evolving imperial monarchy oversee a relatively stable, slave-owning domain? What powers of coercion and persuasion did Rome exert? How was Rome and its empire culturally transformed over the centuries? Original sources are studied in translation, and no prior study of the period is required or expected.</p>			
Pre-requisite(s):	Before taking this module you must pass at least 40 credits from {any levels matching mo1, any levels matching me1, any levels matching an1, any levels matching sc1} or pass at least 20 credits from any levels matching an1 and pass at least 20 credits from any levels matching cl1		
Learning and teaching methods of delivery:	Weekly contact: 20 lectures, 6 tutorials and 2 practical workshops across the semester.		
	Scheduled learning: 28 hours	Guided independent study: 172 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr J C N Coulston		
Module teaching staff:	Team taught		

AN2003 Mediterranean Communities			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	4.00 pm Tue and 4.00 pm Thu		
<p>This module deals with the human settlement and material culture of the entire Mediterranean World throughout classical antiquity. Over its long span - that covers much of the first millennium BCE and the first millennium CE - the Mediterranean was transformed from a world of tiny peasant and tribal communities first into a world of cities. Urbanism, diasporic colonisation and the appearance of complex societies and states were followed by regional hegemonies, then empires and finally a single world empire centred on Rome. This story is the rise and fall of classical civilisation and it emerges more clearly through material culture than any other evidence.</p>			
Pre-requisite(s):	Before taking this module you must pass at least 40 credits from {any levels matching mo1, any levels matching me1, any levels matching an1, any levels matching sc1} or pass at least 20 credits from any levels matching an1 and pass at least 20 credits from any levels matching cl1		
Learning and teaching methods of delivery:	Weekly contact: 2 lectures (x 11 weeks), 6 tutorials and 2 practical workshops across the semester.		
	Scheduled learning: 30 hours	Guided independent study: 170 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module teaching staff:	Team taught		

Classical Studies (CL) modules

CL1004 Myth and Community in Ancient Greek Literature and Culture			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	12.00 noon		
<p>This module explores some of the most dynamic literary and artistic achievements of archaic and classical Greek culture (8th to 4th century BCE). Using a twin focus on myth and on ideas of community, the module ranges across Homeric epic, Athenian tragedy, Aristophanic comedy, and the philosophical writings of Plato, looking at a series of authors whose work has had a powerful influence over the later literary tradition right into the 20th century. We look among other things at the relationship between texts and images in the expression of cultural values; and we examine a series of major themes in Greek views of identity, morality, politics and religion. The module is meant both for students who intend to take Honours Classical Studies and for those who want a fascinating introduction to the poetry and art of the ancient Greek world. It is intended to be complemented by CL1005.</p>			
Learning and teaching methods of delivery:	Weekly contact: 32 lectures and 6 tutorials across the semester.		
	Scheduled learning: 38 hours	Guided independent study: 162 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr J P Hesk		
Module teaching staff:	Team taught		

CL1005 Images of Augustan Rome			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	12.00 noon		
<p>This module studies a range of literary works that were written during the lifetime of the first emperor, Augustus (late first century BCE to early first century CE), and that react in different ways to the new regime that he established. This was a time of enormous changes within Roman politics, art and society; it was also one of the most creative periods of Latin literature, with important works by authors like Virgil, Ovid, Horace and Livy which have had an enormous influence over later European culture. A central theme of the module is the development of the architecture and public art of the city of Rome during this period, and the different ways in which the city features in the literature of the time. The module is complementary to CL1004, and is meant both for students who intend to take Honours Classical Studies or Ancient History and for those who want a general survey of these aspects of Greco-Roman legacy.</p>			
Learning and teaching methods of delivery:	Weekly contact: 34 lectures and 6 tutorials across the semester.		
	Scheduled learning: 36 hours	Guided independent study: 164 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr A I Petsalis-Diomidis		
Module teaching staff:	Team taught		

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CL2003 Early Greek Poetry and Philosophy			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	9.00 am		
<p>Early Greece was the age of beautiful poetry and cutting-edge philosophy. The module explores the diversity of early Greek thought at the crossroads of poetry and philosophy, from the 8th to the 5th century BCE starting with Hesiod's struggle to re-order the world of gods and humans: Hesiod's work stands side by side with Homer's poems as foundational works of ancient Greek epic. We then consider the exciting literary and intellectual experiments of lyric poets and philosopher poets, who saw poetry as a way of writing philosophy, exploring love and attacking enemies. Authors to be studied include Sappho, Theognis, Solon, Xenophanes and Empedocles. All texts will be studied in translation.</p>			
Learning and teaching methods of delivery:	Weekly contact: 2 lectures (x 11 weeks) and 8 tutorials across the semester.		
	Scheduled learning: 30 hours	Guided independent study: 170 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr A G Long		
Module teaching staff:	Team taught		

CL2004 Culture and Thought in the Late Roman Republic			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	9.00 am		
<p>The Late Republic (first century BCE) was a time of change and conflict in the city of Rome and the wider Roman Empire. In political terms the history of that century is dominated by the series of civil wars which led to the political dominance and assassination of Julius Caesar. The literature and art of that period in many cases reflect those tensions and problems. It was also a time of rapid development of Roman art and literature as it sought to form its own new identity through the traditions it had inherited from Greek culture. From the seething passions of Catullus' poetry, through Lucretius' philosophical poetic treatise On the Nature of Things, to the stylish rhetoric of Cicero, the module aims to set the main literary texts of that period against the broader backdrop of Roman art, culture and social life. All texts will be studied in translation.</p>			
Learning and teaching methods of delivery:	Weekly contact: 30 lectures and 6 tutorials across the semester.		
	Scheduled learning: 35 hours	Guided independent study: 165 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr E L Buckley		
Module teaching staff:	Team taught		

Greek (GK) modules

GK1001 Greek Language for Beginners			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	10.00 am		
This module provides a thorough grounding in the Greek language for beginners or near beginners. It is suitable both for students who intend to take further Greek modules and for those who wish to acquire a basic knowledge of Greek, which is useful for the study of other subjects in the Faculty such as History or English.			
Anti-requisite(s)	You cannot take this module if you take GK1005		
Learning and teaching methods of delivery:	Weekly contact: 2 classes in Orientation Week then 4 classes x 10 weeks.		
	Scheduled learning: 42 hours	Guided independent study: 158 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50% (4 class tests)		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr J Coderch		

GK1002 Greek Literature for Beginners			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	10.00 am		
This module is designed to follow on from GK1001. As such, GK1002 comprises language classes intended to supplement the topics covered in semester 1 and to prepare students for the challenge of reading and interpreting Greek literature.			
Pre-requisite(s):	Students without GK1001 must be able to demonstrate equivalent knowledge of greek. . If GK1001 has not been passed, equivalent knowledge of greek is required		
Anti-requisite(s)	You cannot take this module if you take GK1006		
Learning and teaching methods of delivery:	Weekly contact: 4 classes		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50% (4 class tests)		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr J Coderch		

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GK1005 Greek Language and Literature 1			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	10.00 am		
This module is designed for students who have already taken ancient Greek to Higher, A level or equivalent standard. Set texts for this module will be studied in the original Greek prose and verse. Classes will cover both detailed study of the set texts and linguistic/translation exercises designed to enhance students' knowledge of Greek. The overall aims of the module are to build up the confidence of students in reading and interpreting Greek literature in its historical and cultural context. Students will read one work of Greek prose and one work of Greek verse.			
Pre-requisite(s):	In taking this module you must have higher or A-Level greek or equivalent		
Anti-requisite(s)	You cannot take this module if you take GK1001		
Learning and teaching methods of delivery:	Weekly contact: 3 or 4 classes.		
	Scheduled learning: 34 hours	Guided independent study: 166 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%; 3 class tests, 30%)		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr J Coderch		
Module teaching staff:	Team taught		

GK1006 Greek Pastoral and Passion			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	10.00 am		
This module, designed to follow on from GK1005, will introduce students to two new areas of Greek literature, between which there are interesting and important thematic connections: bucolic or pastoral poetry (the Idylls of Theocritus) and the romantic novel (Longus). Both these set texts will be studied in the original Greek. Classes will cover both detailed study of the set texts and linguistic/translation exercises designed to enhance students' knowledge of Greek.			
Pre-requisite(s):	If GK1005 has not been passed, higher or A-Level greek or equivalent is required.		
Anti-requisite(s)	You cannot take this module if you take GK1002		
Learning and teaching methods of delivery:	Weekly contact: 3 or 4 classes.		
	Scheduled learning: 34 hours	Guided independent study: 166 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%; 3 class tests, 30%)		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr A I Petsalis-Diomidis		
Module teaching staff:	Team taught		

GK2001 The Landscape of Greek Prose (A)				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	10.00 am			
This module, designed to follow on from GK1006, studies a wide range of Greek prose texts. All set texts will be studied in the original Greek. The module starts with the Socratic dialogues of Xenophon, and then turns to Greek oratory, Greek historiography and Greek writing in the Roman empire. The module will illustrate the scope and vitality of the Greek literary tradition, and it will give students a grounding in the main genres of Greek prose writing. Classes will include both detailed study of the set texts in their cultural context and linguistic/translation exercises designed to enhance students' knowledge of Greek. The module as a whole is carefully structured so as to integrate linguistic progress with widened horizons in the student's knowledge of Greek literature.				
Pre-requisite(s):	Before taking this module you must pass GK1006			
Anti-requisite(s)	You cannot take this module if you take GK2003			
Learning and teaching methods of delivery:	Weekly contact: 3 or 4 classes.			
	Scheduled learning: 36 hours		Guided independent study: 164 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%, 3 class tests, 30%)			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr M J Carroll			
Module teaching staff:	team taught			

GK2002 The Landscape of Greek Poetry (A)				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	10.00 am			
This module, designed to follow on from GK2001, offers a carefully balanced combination of literary and linguistic study. Students will study a diverse range of ancient poetry in the original Greek, starting with Homer's Iliad. It then introduces students to key genres of the Greek poetic tradition, including lyric, elegy and drama. Classes will cover both detailed study of the set texts in their cultural context and linguistic/translation exercises designed to enhance students' knowledge of Greek.				
Pre-requisite(s):	If not already passed you must take GK2001			
Anti-requisite(s)	You cannot take this module if you take GK2004			
Co-requisite(s):	If not already passed you must take GK2001			
Learning and teaching methods of delivery:	Weekly contact: 3 or 4 classes.			
	Scheduled learning: 36 hours		Guided independent study: 164 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%; 3 class tests, 30%)			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr N Wiater			
Module teaching staff:	Team taught			

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GK2003 The Landscape of Greek Prose (B)			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	10.00 am		
This module, designed to follow on from GK1002, studies a wide range of Greek prose texts. All set texts will be studied in the original Greek. The module starts with the Socratic dialogues of Xenophon, and then turns to Greek oratory, Greek historiography and Greek writing in the Roman empire. The module will illustrate the scope and vitality of the Greek literary tradition, and it will give students a grounding in the main genres of Greek prose writing. Classes will include both detailed study of the set texts in their cultural context and linguistic/translation exercises designed to enhance students' knowledge of Greek. The module as a whole is carefully structured so as to integrate linguistic progress with widened horizons in the student's knowledge of Greek literature.			
Pre-requisite(s):	Before taking this module you must pass GK1002		
Anti-requisite(s)	You cannot take this module if you take GK2001		
Learning and teaching methods of delivery:	Weekly contact: 4 or 5 classes.		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%, 3 class tests, 30%)		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr M J Carroll		
Module teaching staff:	Team taught		

GK2004 The Landscape of Greek Poetry (B)			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	10.00 am		
This module, designed to follow on from GK2003, offers a carefully balanced combination of literary and linguistic study. Students will study a diverse range of ancient poetry in the original Greek, starting with Homer's Iliad. It then introduces students to key genres of the Greek poetic tradition, including lyric, elegy and drama. Classes will cover both detailed study of the set texts in their cultural context and linguistic/translation exercises designed to enhance students' knowledge of Greek.			
Pre-requisite(s):	If not already passed you must take GK2003		
Anti-requisite(s)	You cannot take this module if you take GK2002		
Co-requisite(s):	If not already passed you must take GK2003		
Learning and teaching methods of delivery:	Weekly contact: Normally 4 classes.		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%, 3 class tests, 30%)		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr N Wiater		
Module teaching staff:	Team taught		

Latin (LT) modules

LT1001 Elementary Latin 1			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	3.00 pm		
This module provides a systematic introduction to the Latin language, concentrating on morphology, vocabulary, and basic syntax, and will enable students to read simplified Latin texts and translate sentences from Latin into English and vice versa. It is complemented by LT1002, and will thus give access to Latin at higher levels, but it may also be taken by students whose main interests lie in other areas, such as histories, foreign languages and English. It is also suitable for students who have taken some Latin previously, but not to Higher or A-Level, or who have taken Higher or A-Level Latin on reduced time.			
Anti-requisite(s)	You cannot take this module if you take LT1003		
Learning and teaching methods of delivery:	Weekly contact: Normally 4 classes.		
	Scheduled learning: 43 hours	Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50% (4 class tests)		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr J Coderch		
Module teaching staff:	Team taught		

LT1002 Elementary Latin 2			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	3.00 pm		
This module builds on the work done in LT1001, and its function is to develop knowledge of Latin morphology, syntax and vocabulary and to enable students to read Latin texts. Together with LT1001 it may form a basis for Latin at higher levels, but it will also be useful to students of the histories, foreign languages, English and other subjects.			
Pre-requisite(s):	Before taking this module you must take LT1001		
Anti-requisite(s)	You cannot take this module if you take LT1004		
Learning and teaching methods of delivery:	Weekly contact: 4 classes.		
	Scheduled learning: 43 hours	Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50% (4 class tests)		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr J Coderch		

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LT1003 World of Latin 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	3.00 pm			
The aims of this module, like LT1004, are to enhance understanding of Latin grammar and syntax, to increase vocabulary, to give a basic understanding of style, and to develop skills in translating and interpreting literary texts. A selection of classical Latin texts are studied, and student are encouraged and assisted to practice reading independently and in extenso. There will be tutorials to support this work and to help with the translation and appreciation of these and other Latin prose and verse authors.				
Pre-requisite(s):	Students must have higher or A-Level latin or equivalent			
Anti-requisite(s)	You cannot take this module if you take LT1001			
Learning and teaching methods of delivery:	Weekly contact: 2 - 4 classes.			
	Scheduled learning: 34 hours		Guided independent study: 166 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40% (2 literary criticisms, 20%, 2 class tests, 20%)			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr G Pezzini			
Module teaching staff:	Team taught			

LT1004 World of Latin 2				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	3.00 pm			
This module aims to build on the skills acquired in LT1003, and to introduce students to a wider range of Latin literature. Texts studied may include early or mediaeval Latin, as well as classical literature.				
Pre-requisite(s):	If not already passed you must take LT1003			
Anti-requisite(s)	You cannot take this module if you take LT1002			
Co-requisite(s):	If not already passed you must take LT1003			
Learning and teaching methods of delivery:	Weekly contact: 2 - 4 classes.			
	Scheduled learning: 34 hours		Guided independent study: 166 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40% (2 literary criticisms, 20%, 2 class tests, 20%)			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr T A Geue			
Module teaching staff:	Team taught			

LT2001 Latin Language and Literature 1				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	2.00 pm			
The aim of this module is to foster the student's acquaintance with classical Latin and to explore both prose and verse authors. The authors chosen may vary from year to year. Particular attention is paid to the development of their ideas, literary styles, and genres. There will be lectures on the authors set, seminars to discuss broader themes within the module, and tutorials to monitor and assist progress in study of the language and interpretation of the literature.				
Pre-requisite(s):	Before taking this module you must pass LT1004			
Anti-requisite(s)	You cannot take this module if you take LT2003			
Learning and teaching methods of delivery:	Weekly contact: 2 - 4 classes			
	Scheduled learning: 34 hours		Guided independent study: 166 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40% (essay, 20%, 2 class tests, 20%)			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr E R G Gee			
Module teaching staff:	Team taught			

LT2002 Latin Language and Literature 2				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	2.00 pm			
In complement to the programme of LT2001, this module aims to consolidate the student's command of the language in preparation for study at Honours level, and in literature brings the student to further genres and authors, in prose and verse. There will be lectures on the authors set, seminars on broader themes, and, as in LT2001, tutorials to monitor and assist progress in study of the language and interpretation of the literature.				
Pre-requisite(s):	If not already passed you must take LT2001			
Anti-requisite(s)	You cannot take this module if you take LT2004			
Co-requisite(s):	If not already passed you must take LT2001			
Learning and teaching methods of delivery:	Weekly contact: 2 - 4 classes			
	Scheduled learning: 34 hours		Guided independent study: 166 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40% (essay, 20%, 2 class tests, 20%)			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr N Manioti			
Module teaching staff:	Team taught			

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LT2003 Latin in Progress 1				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	2.00 pm			
Texts and topics for this module will be similar to those for LT2001, but the length of texts and methods of study will be appropriate to the needs of students who have done the beginners' modules LT1001 and LT1002.				
Pre-requisite(s):	Before taking this module you must pass LT1002			
Anti-requisite(s)	You cannot take this module if you take LT2001			
Learning and teaching methods of delivery:	Weekly contact: 2 - 4 classes per week, plus 8 hours of additional support classes.			
	Scheduled learning: 42 hours		Guided independent study: 158 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40% (1 literary criticism, 20%, 2 class tests, 20%)			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr E R G Gee			
Module teaching staff:	Team taught			

LT2004 Latin in Progress 2				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	2.00 pm			
In this module the same prescribed texts and topics will be studied as in LT2002, but the length of texts and methods of study will be appropriate to the needs of students who have done the beginners' modules LT1001 and LT1002.				
Pre-requisite(s):	If not already passed you must take LT2003			
Anti-requisite(s)	You cannot take this module if you take LT2002			
Co-requisite(s):	If not already passed you must take LT2003			
Learning and teaching methods of delivery:	Weekly contact: 3 classes.			
	Scheduled learning: 42 hours		Guided independent study: 158 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40% (1 literary criticism, 20%, 2 class tests, 20%)			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr N Maniotti			
Module teaching staff:	Team taught			

School of Computer Science

Computer Science (CS) modules

CS1002 Object-Oriented Programming			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	Lectures: 3.00 pm Mon and Tue, exercise classes: either 9.00 am or 10.00 am Thu and Fri		
This module covers problem-solving skills, programming basics and object-oriented concepts, modelling and programming. Practical skills are reinforced through a range of exercises and assignments covering these topics.			
Pre-requisite(s):	Before taking this module you must have mathematics (either higher or A-Level at grade a or better)		
Anti-requisite(s)	You cannot take this module if you take CS2101		
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 1 x 3-hour practical class.		
	Scheduled learning: 80 hours	Guided independent study: 120 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%		
Re-assessment pattern:	2-hour Written Examination = 60%, Existing Coursework = 40%		

CS1003 Programming with Data			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	Lectures: 3.00 pm Mon and Tue, Exercise classes: either 9.00 am or 10.00 am Wed and Thu		
This module explores various aspects of data storage, processing and analysis. Programming skills are reinforced through a range of exercises and practicals covering various aspects of data handling. Topics include: persistent data formats; files and databases; file manipulation; binary and textual data; data processing using open source libraries; database design and use; object-relational mapping frameworks; processing and analysing data; issues of scale. Themes related to current research in the area of data science and big data are emphasised.			
Pre-requisite(s):	Before taking this module you must pass CS1002		
Anti-requisite(s)	You cannot take this module if you take CS2101		
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 1 x 3-hour practical class.		
	Scheduled learning: 88 hours	Guided independent study: 112 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%		
Re-assessment pattern:	2-hour Written Examination = 60%, Existing Coursework = 40%		

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CS1005 Computer Science in Everyday Life			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	12.00 noon		
This module introduces key ideas of Computer Science through examination of the working of devices and services which are part of modern everyday life, such as search engines, health informatics, mobile computing and social networking sites. Students are led to develop an understanding of some fundamentals of Computer Science, as well as gaining transferable skills such as critical reading, research in the technical literature, data analysis and essay writing.			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 40 hours	Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%		
Re-assessment pattern:	2-hour Written Examination = 60%, Existing Coursework = 40%		
Module teaching staff:	TBC Module coordinator(s): First Level Coordinator - Computer Science (first-coord-cs@st-andrews.ac.uk)		

CS1006 Programming Projects			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	11.00 am		
This module reinforces key Java programming skills gained in CS1002, by means of a series of coursework assignments posed as mini-projects. These are designed to offer increasing depth and scope for creativity as the module progresses.			
Pre-requisite(s):	Before taking this module you must pass CS1002		
Learning and teaching methods of delivery:	Weekly contact: 1 tutorial and 2 x 3-hour practical class (x 11 weeks), fortnightly lecture.		
	Scheduled learning: 83 hours	Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	No Re-assessment available		
Module teaching staff:	TBC Module coordinator(s): First Level Coordinator - Computer Science (first-coord-cs@st-andrews.ac.uk)		

Computer Science - 1000 & 2000 Level - 2018/9 - August - 2018

CS1101 Computer Science Skills				
SCOTCAT Credits:	20	SCQF Level 7	Semester	Full Year
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Computer Science (Gateway).			
Planned timetable:	To be arranged.			
This module develops academic and transferable skills in problem-solving, team-working, information retrieval and analysis, and study skills. It is a core module of the Computer Science (Gateway) programme.				
Pre-requisite(s):	Students must have gained entry to the computer science (gateway).			
Learning and teaching methods of delivery:	Weekly contact: 5 tutorials, 3 practical classes and 1 lecture.			
	Scheduled learning: 93 hours		Guided independent study: 107 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	No Re-assessment available			
Module teaching staff:	TBC Module coordinator(s): First Level Coordinator - Computer Science (first-coord-cs@st-andrews.ac.uk)			

CS2001 Foundations of Computation				
SCOTCAT Credits:	30	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	9.00 am			
This module introduces the fundamental algorithms, data structures and ideas about formal languages lying at the heart of modern software, and develops skills in programming and analysis.				
Pre-requisite(s):	Before taking this module you must pass CS1002 and pass CS1003			
Anti-requisite(s)	You cannot take this module if you take CS2101			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 2 x 3-hour practical class.			
	Scheduled learning: 110 hours		Guided independent study: 190 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 3-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 60%, Existing Coursework = 40%			
Module teaching staff:	TBC Module coordinator(s): Second Level Coordinator - Computer Science (second-coord-cs@st-andrews.ac.uk)			

Computer Science - 1000 & 2000 Level - 2018/9 - August - 2018

CS2002 Computer Systems			
SCOTCAT Credits:	30	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	9.00 am		
This module develops skills in programming in C, systems programming, digital logic and low-level computer organisation.			
Pre-requisite(s):	Before taking this module you must pass CS2001 or pass CS2101		
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 2 x 3-hour practical class.		
	Scheduled learning: 121 hours	Guided independent study: 179 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 3-hour Written Examination = 60%, Coursework = 40%		
Re-assessment pattern:	3-hour Written Examination = 60%, Existing Coursework = 40%		
Module teaching staff:	TBC Module coordinator(s): Second Level Coordinator - Computer Science (second-coord-cs@st-andrews.ac.uk)		

CS2003 The Internet and the Web: Concepts and Programming			
SCOTCAT Credits:	30	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	11.00 am		
This module introduces the student to the Internet and the World Wide Web from a Computer Science perspective. It consists of two complementary streams: computer networks and web-based computing. Both streams introduce key concepts, current technologies, programming abstractions and the practical aspects of developing web-based and network applications.			
Co-requisite(s):	You must also take CS2001 or take CS2101		
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 2 x 3-hour practical class.		
	Scheduled learning: 110 hours	Guided independent study: 190 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 3-hour Written Examination = 60%, Coursework = 40%		
Re-assessment pattern:	3-hour Written Examination = 60%, Existing Coursework = 40%		

Computer Science - 1000 & 2000 Level - 2018/9 - August - 2018

CS2006 Advanced Programming Projects			
SCOTCAT Credits:	30	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	11.00 am		
This module introduces the functional and dynamic programming paradigms, using languages such as Haskell and Python. Understanding is reinforced through extensive practical exercises.			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 2 x 3-hour practical classes.		
	Scheduled learning: 121 hours	Guided independent study: 179 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	No Re-assessment available		
Module teaching staff:	TBC Module coordinator(s): Second Level Coordinator - Computer Science (second-coord-cs@st-andrews.ac.uk)		

CS2101 Foundations of Computation (Accelerated)			
SCOTCAT Credits:	40	SCQF Level 8	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to direct second year entrants.		
Planned timetable:	To be arranged.		
This module is an accelerated version of CS2001. It includes necessary background material from core first-year modules, as well as the same content as CS2001.			
Anti-requisite(s)	You cannot take this module if you take CS1002 or take CS1003 or take CS2001		
Learning and teaching methods of delivery:	Weekly contact: 5 lectures, 2 tutorials and 3 x 3-hour practical classes.		
	Scheduled learning: 160 hours	Guided independent study: 240 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 3-hour Written Examination = 60%, Coursework = 40%		
Re-assessment pattern:	3-hour Written Examination = 60%, Existing Coursework = 40%		
Module teaching staff:	TBC Module coordinator(s): Second Level Coordinator - Computer Science (second-coord-cs@st-andrews.ac.uk)		

School of Divinity

Divinity (DI) modules

DI1001 Theology: Issues and History			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	10.00 am Mon, Tue, Thu		
This module will address a variety of themes within Christian theology. Each theme will be approached with a view to its biblical roots and historical development, its critical reception and restatement in the modern period, and its significance for contemporary theological reflection. Themes covered will include: The problem of 'God' in the modern world; who is Jesus Christ and what difference does it make?; Trinity, Spirit and community; Diagnosis and cure - models for salvation; Beginnings and endings - the origin and destiny of the world. Through consideration of these themes students will also be introduced to several key figures in the history of theology.			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Prof A J Torrance		
Module teaching staff:	Prof A Torrance, Dr A Torrance and others		

DI1003 Old Testament 1: Torah and Prophets			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	12.00 noon Mon, Tue, Thu		
This module is an introduction to the life, literature and religion of Ancient Israel. It will in particular consider the main literary types of the Old Testament literature, both in order to familiarise students with the traditions used in the Old Testament and to demonstrate how this literature was shaped by religious, social and historical factors. The class will also consider how it came to form the traditional canon of the Hebrew Bible.			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial (not first week)		
	Scheduled learning: 43 hours	Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr W A Tooman		
Module teaching staff:	Dr W Tooman		

Divinity - 1000 & 2000 Level - 2018/9 - August - 2018

DI1004 Hebrew 1: Introduction to Hebrew Language				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	4.00 pm Mon, Tue, Thu, Fri			
This module aims to give students a sufficient knowledge of the grammar and vocabulary of Old Testament Hebrew to be able to read and analyse prescribed texts. Grammar and vocabulary will be restricted to the texts we will be reading.				
Learning and teaching methods of delivery:	Weekly contact: 4 lectures and 1 tutorial.			
	Scheduled learning: 55 hours		Guided independent study: 145 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	Dr Michael Lyons + other staff			

DI1005 New Testament Greek 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	4.00 pm Mon, Tue, Thu			
This module constitutes the first of a two-module New Testament Greek sequence. It introduces the first half of the essential grammar, morphology, and vocabulary of New Testament Greek. Upon the completion of this module, the student will have acquired an understanding of the Noun and Indicative Verb systems of Koine Greek. The student will be prepared for DI2201 New Testament Greek 2, which will cover the remainder of grammar. Upon completion of the entire course of NT Greek grammar, the student will be able to analyse the Greek New Testament, as well as other Koine literature of the period.				
Anti-requisite(s)	You cannot take this module if you take GK1001 or take GK1002			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%			
	As used by St Andrews: 2-hour Written Examination = 40%, Coursework = 60%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	To be confirmed			

DI1006 New Testament 1: Jesus and the Gospels				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	12.00 noon Mon, Tue, Thu			
This module aims to introduce students to New Testament studies in general and to Gospel studies in particular. The general introduction will include consideration of the historical contexts of the New Testament texts, including political, socio-economic and religious factors within the Greco-Roman world and Early Judaism. The Gospels will then be studied with a view to determining the particular interests of their authors, and with a view to assessing their portraits of Jesus in relation to the historical Jesus.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial			
	Scheduled learning: 42 hours		Guided independent study: 158 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr E E Shively			
Module teaching staff:	Team taught			

DI1009 Introduction to World Religions				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	3.00 pm Mon, Tue, Thu			
This module aims to provide a basic introduction to the major world religions apart from Christianity. It will consider methodologies for the comparative study of religions and will investigate how the religions studied (Judaism, Islam, Hinduism and Buddhism) function in contexts within and outwith Britain.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial			
	Scheduled learning: 42 hours		Guided independent study: 158 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Prof M I Aguilar			
Module teaching staff:	Prof M Aguilar, Prof J R Davila			

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DI1012 Practical Theology and Ethics			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	10.00 am Mon, Tue, Thu		
<p>Practical Theology and Christian Ethics are two disciplines within theology, each with distinctive approaches to critiquing people's actions and proposing enhanced practice. One half of this module introduces students to the work of a number of practical theologians so that they may gain methodological and conceptual tools for studying how Christian faith is practised - within and beyond the Church in fields as diverse as disability, cities, gender, and congregations. The other half introduces key concepts from the history of Christian Ethics, such as natural law, divine command, virtue ethics, the relation of scripture to ethics, and political theology.</p>			
Anti-requisite(s)	You cannot take this module if you take DI1002		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial (apart from week 11)		
	Scheduled learning: 43 hours	Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr E Stoddart		
Module teaching staff:	Dr E Stoddart, Dr J Perry		

DI1013 Science, Religion, and the Mind			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	3.00 pm Mon, Tue, Thu		
<p>This module explores the field of science and religion, with emphasis on recent scientific discoveries about the brain. Recent research in areas like neuroscience and psychology have led to new theological questions: Does cognitive science make traditional theological language about a soul inadequate? If our minds are 'just' our brains, is religious experience still meaningful? Does scientific research on happiness have any place in theology? In this module, we will address such questions by engaging with historical and contemporary theologians, as well as with neuroscience, philosophy of mind, and psychology. The module is thus not only an introduction to the theological implications of brain research, but also an introduction to the field of science and theology more broadly. The first unit of the module introduces longstanding debates in science and religion, such as creation, evolution, and divine action. The remainder of the module examines the science and theology of the mind.</p>			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial (x 11 weeks)		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Mrs S L Ritchie		
Module teaching staff:	Dr S Ritchie		

DI1201 From Adam to Apocalypse: The Bible and Western Culture				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	3.00 pm, Mon, Tue, Thu			
No other book has had a more profound effect on the history of Western civilisation than the Bible, influencing all western cultures and inspiring many of the works of literature, art, and music that define the Western cultural heritage. The module will explore the Bible from start to finish, covering a range of significant biblical figures (e.g. Adam, Abraham, Moses, David, Jesus) and introducing students to the most influential of the Bible's books (e.g. Isaiah, the Psalms, Job, the Gospels, Revelation). The module will provide students with a basic biblical literacy, all the while exploring the reception of the Bible throughout history and its role in modern day culture.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr M Nevader			
Module teaching staff:	Dr M Nevader, Dr T J Lang			

DI2000 Christian Thought and Practice 1				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu			
This module explores the historical development and present expression of key topics in Christian doctrine and Christian ethics. Four key doctrines will be examined (creation, Trinity, Christology, and soteriology) as well as a variety of approaches to theological ethics (natural law, divine command, virtue ethics, Scripture & ethics).				
Pre-requisite(s):	Before taking this module you must pass DI1001			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Rev Dr S R Holmes			
Module teaching staff:	Professor C Schwobel			

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DI2001 Old Testament 2: Wisdom, Psalms, Apocalyptic and Apocryphal Literature

SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	11.00 am Mon, Tue, Thu			
This module continues the study of the Old Testament in DI1003, and is an introduction to the literature and theology of the period of Israel's history from exile to the consolidation of the canon. Prophecy, wisdom, psalms, apocalyptic writings, and the earliest forms of inner-biblical exegesis are studied. Attention is given to the final shaping of Israel's sacred texts. The important events from exile to Qumran are illustrated in relationship to the biblical literature.				
Pre-requisite(s):	Before taking this module you must pass DI1003			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial (apart from week 1)			
	Scheduled learning: 43 hours		Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr M Nevader			

DI2002 Hebrew 2

SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	3.00 pm Mon, Tue, Thu			
This module aims to extend students' skills in reading the Hebrew Bible and in the techniques of textual criticism and of exegesis. It consists of the reading and studying of a selection of Hebrew biblical texts representative of different literary genres such as prose writing and psalms.				
Pre-requisite(s):	Before taking this module you must pass DI1004			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 43 hours		Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	Dr M Lyons and other staff			

DI2003 New Testament 2: Paul and the Epistles				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	11.00 am Mon, Tue, Thu			
This module examines the developing theology of the New Testament, paying particular attention to the issue of unity and diversity, and to the themes of Christology and soteriology. Given the importance of Paul to the development of early Christianity, a significant proportion of the module is devoted to studying his writings and those traditionally understood to be Pauline. The distinctive contributions of other New Testament writings will then be examined, as the coherence of early Christian theology is considered.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%			
	As used by St Andrews: 2-hour Written Examination = 40%, Coursework = 60%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr D M Moffitt			
Module teaching staff:	Prof N T Wright			

DI2006 The Early and Mediaeval Church: History, Beliefs and Practices				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu			
This module will explore key themes in the organisation, practice and beliefs of the early and mediaeval church, focusing mostly on the period from the first to the ninth centuries. Among the topics covered in the first part of the module will be the early church's encounter with the Roman empire, martyrdom, debates over truth, orthodoxy and heresy, the impact of Constantine's conversion and the relationship between paganism and Christianity. The later part of the module covers the coming of Christianity to the British Isles, and especially Scotland, and themes such as the cult of saints, monasticism, pastoral care, worship and pilgrimage. Weekly seminars will involve engagement with key primary texts from the period.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 43 hours		Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr W P Hyland			
Module teaching staff:	Dr W Hyland, Prof M W Elliott			

Divinity - 1000 & 2000 Level - 2018/9 - August - 2018

DI2201 New Testament Greek 2			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	12.00 noon Mon, Tue, Thu		
<p>This module constitutes the second of a two-module New Testament Greek sequence. It introduces the second half of the essential grammar, morphology, and vocabulary of New Testament Greek begun in DI1005. Upon the completion of this module, the student will have acquired an understanding of the complete grammar and basic vocabulary of Koine Greek. Upon completion of this module, the student will be able to analyse the Greek New Testament, as well as other Koine literature of the period.</p>			
Pre-requisite(s):	If DI1005 or GK1001 has not been passed you must be able to demonstrate equivalent linguistic competence		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%		
	As used by St Andrews: 2-hour Written Examination = 40%, Coursework = 60%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module teaching staff:	To be confirmed		

School of Earth & Environmental Sciences

Earth & Environmental Sciences (ES) modules

ES1001 Planet Earth				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	12.00 noon - 1.00 pm Mon - Fri			
This module provides a foundation into the study of Earth and environmental sciences. The key elements of the planet will be introduced. The bulk structure of the solid Earth (and the other planets of our solar system), and the dynamic hydrosphere and atmosphere will be covered from planetary to atomistic scales. Practical and transferable skills will be developed in tutorials and laboratory exercises which include the identification of minerals and rocks both in hand specimen and using microscopes. Fieldwork will be introduced as two half-day excursions. University-level study skills associated with this module include working in groups, poster and written presentations, advanced use of the University's internet and library facilities for data acquisition, and critically assessing scientific data and reports.				
Learning and teaching methods of delivery:	Weekly contact: 5 lectures, tutorials and skills sessions, and 1 x 2-hour practical (x 11 weeks); 7-hours fieldwork in total.			
	Scheduled learning: 77 hours		Guided independent study: 123 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 30%, Coursework = 20%			
	As used by St Andrews: 2-hour Written Examination = 50%, 2-hour Practical Examination = 30%, Coursework = 20%			
Re-assessment pattern:	2-hour Written Examination = 80%, Coursework = 20%, No Re-assessment if Coursework mark is less than 4			
Module coordinator:	Dr C V Rose			
Module teaching staff:	Earth and Environmental Sciences staff			

ES1002 Earth Resources and Environment				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	12.00 noon - 1.00 pm Mon - Fri; 2.00 pm - 4.00 pm Thu and Fri			
This module builds on the understanding of planet Earth gained in ES1001, with an underlying theme of the Earth's resources and environment. The processes in action at different tectonic settings (volcanism, metamorphism etc) and the natural hazards induced by these processes leads into Earth resources (metals, hydrocarbons and energy) and the applied nature of Earth Sciences in problem-solving resource and environmental issues. Key skills for Earth and environment scientists are developed and the module includes a 4-day residential field excursion to the northeast of Scotland around Easter.				
Pre-requisite(s):	If not already passed you must take ES1001			
Anti-requisite(s)	You cannot take this module if you take GG1012			
Co-requisite(s):	If not already passed you must take ES1001			
Learning and teaching methods of delivery:	Weekly contact: 5 lectures, tutorials and 1 x 2-hour practical (x 11 weeks), plus 40 hours of fieldwork over the semester.			
	Scheduled learning: 117 hours		Guided independent study: 83 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 25%, Coursework = 25%			
	As used by St Andrews: 2-hour Written Examination = 50%, 2-hour Practical Examination = 30%, Coursework = 20%			
Re-assessment pattern:	2-hour Written Examination = 80%, Coursework = 20%, No Re-assessment if Coursework mark is less than 4			
Module coordinator:	Dr C V Rose			
Module teaching staff:	Earth and Environmental Sciences staff			

Earth & Environmental Sciences - 1000 & 2000 Level - 2018/9 - August - 2018

ES1802 The Geological History of Scotland				
SCOTCAT Credits:	12	SCQF Level 7	Semester	Summer Holiday after graduation
Academic year:	2018/9			
Availability restrictions:	Available only to non-graduating students			
Planned timetable:	Mon - Fri, variable hours			
<p>This module introduces students to Earth Science using the geological history of Scotland as a case study. This is a four-week course that focuses on applying scientific method through collection and interpretation of field data collect by students. An emphasis is placed on identifying the distinction between data and interpretation, thinking in four dimensions and hypothesis testing. No prior knowledge of geology is required. Scotland is the ideal natural laboratory; it offers classic exposures of a variety of rock types relevant to key periods of time throughout three billion-years of Earth's history. The taught content of the module includes lectures, practical classes and field excursions. Assessments are comprised of written exams (multiple choice/short answer questions, an illustrated essay), a lab exam, field notebook presentation, participation in group discussions and written reports.</p>				
Pre-requisite(s):	Currently enrolled in a third level institution. Completion of at least one year in a third level institution. Letter of recommendation from this institution / obtained at a 3.0 gpa in one science subject.			
Learning and teaching methods of delivery:	Weekly contact: Each week of this module will typically consist of 7 hrs of lectures - lab classes. In addition students will take part in an average of 9 of fieldwork each week. Students are expected to completed the directed reading assignments and read outside of this literature in their own spare time.			
	Scheduled learning: 65 hours		Guided independent study: 55 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 35%, Practical Examinations = 15%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 35%, Practical Examination = 15%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr W McCarthy			
Module teaching staff:	Module teaching staff: Dr William McCarthy, Dr Sebastian Fischer			

Earth & Environmental Sciences - 1000 & 2000 Level - 2018/9 - August - 2018

ES2001 Dynamic Earth: The Earth System			
SCOTCAT Credits:	30	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	10.00 am - 11.00 am Mon - Fri; 2.00 pm - 5.00 pm Tue		
	This module reflects an up-to-date approach to understanding of the behaviour of the solid Earth and its interaction with the atmosphere and biosphere and beyond. It will provide detailed training in some of the processes acting at or near the Earth's surface (for example the dynamics of erosional processes). The evolution of the planet as a whole (including the evolution of life) from magma oceans in the early Earth to the present day will be covered in detail. Practical and theoretical training in geophysical methods for probing the near surface of the Earth will be provided.		
Pre-requisite(s):	Before taking this module you must pass ES1001 and pass ES1002		
Learning and teaching methods of delivery:	Weekly contact: 5 lectures and 1 x 3-hour laboratory per week, and occasional tutorials; 16 hours fieldwork		
	Scheduled learning: 96 hours	Guided independent study: 204 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 30%, Coursework = 20%		
	As used by St Andrews: 2-hour Written Examination = 50%, 3-hour Practical Examination = 30%, Coursework = 20%		
Re-assessment pattern:	2-hour Written Examination = 80%, Coursework = 20%, No Re-assessment if Coursework mark is less than 4		
Module coordinator:	Dr T D Raub		
Module teaching staff:	Earth and Environmental Sciences staff		

ES2002 Dynamic Earth: Magma, Minerals and Metamorphism			
SCOTCAT Credits:	30	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	10.00 am - 11.00 am Mon, Wed, Fri; 2.00 pm - 5.00 pm Tue		
	This module focuses on the geology of the solid Earth and high temperature processes in the Earth's interior. The mineral building blocks of the Earth will be covered in detail, as well as volcanic and metamorphic processes and geodynamics. A key component of this course is the residential field course to central Spain around the time of the Easter vacation, where independent field mapping will be introduced.		
Pre-requisite(s):	Students should normally have taken ES2001 or have special permission.		
Anti-requisite(s)	You cannot take this module if you take GS2012		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 x 3-hour laboratory per week and occasional tutorials; 64 hours fieldwork.		
	Scheduled learning: 120 hours	Guided independent study: 188 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 30%, Practical Examinations = 50%, Coursework = 20%		
	As used by St Andrews: 2-hour Written Examination = 50%, 2-hour Practical Examination = 20%, Coursework = 30%		
Re-assessment pattern:	2-hour Written Examination = 80%, Coursework = 20%, No Re-assessment if Coursework mark is less than 4		
Module coordinator:	Dr W McCarthy		
Module teaching staff:	Prof. Adrian Finch, Prof. Richard White, Dr Sami Mikhail, Dr Paul Savage, Dr William McCarthy.		

Earth & Environmental Sciences - 1000 & 2000 Level - 2018/9 - August - 2018

ES2003 Dynamic Earth: Earth Surface Processes				
SCOTCAT Credits:	30	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	Lecture: 10.00 am - 11.00 am Tue, Thu and 2.00 pm - 3.00 pm Mon. Practical 3.00 pm - 6.00 pm Mon			
This module focuses on the low temperature processes that occur in the outer envelopes of the Earth, including land-atmosphere interactions, glacial processes, tectonic geomorphology, geomicrobiology and oceanography. Relationships between physical, chemical and biological processes occurring along Earth's surface, and their impact on climate, will be explored using case studies. A key component of this course will be fieldwork to sites of environmental interest developing field skills in water/sediment sampling and analysis, and unravelling contaminant flow-patterns.				
Pre-requisite(s):	If not already passed you must take ES2001			
Co-requisite(s):	If not already passed you must take ES2001			
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour lectures and 1 x 3-hour laboratory per week; 12 hours of tutorials and 16 hours fieldwork over the semester.			
	Scheduled learning: 94 hours		Guided independent study: 206 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-hour Written Examination = 80%, Coursework = 20%, No Re-assessment if Coursework mark is less than 4			
Module coordinator:	Dr R J S Wilson			
Module teaching staff:	Earth and Environmental Sciences staff			

ES2004 Practical and Field Skills for Earth Sciences (Direct Entrants)				
SCOTCAT Credits:	30	SCQF Level 8	Semester	Full Year
Academic year:	2018/9			
Availability restrictions:	Available only to students who have been accepted for direct 2nd year entry to an Earth Science degree programme.			
Planned timetable:	12.00 noon - 1.00 pm Mon - Fri; practical 2.00 pm - 4.00 pm Thu or Fri			
This module is only available to students who have been accepted for direct 2nd year entry to an Earth Science degree programme. It provides basic practical and fieldwork skills that are not taught at secondary school and which characterise University-taught, accredited Earth Science programmes. Students will take part in level 1 practical and field-based exercises, and then apply these skills to the level 2 teaching programme. The students will also attend those aspects of the lecture programme that are not covered in A-level or Higher Geology curricula. The learning in this module will supplement and complement the ES2001, ES2002 & ES2003 teaching.				
Pre-requisite(s):	Direct second year acceptance to bsc geology, bsc environmental earth science or mgeol earth science degrees			
Anti-requisite(s)	You cannot take this module if you take ES1001 or take ES1002			
Co-requisite(s):	You must also take ES2001 and take ES2002 and take ES2003			
Learning and teaching methods of delivery:	Weekly contact: Weekly lectures, practical classes, and fieldwork. Generally 5 hours per week lecture/lab time plus associated field classes.			
	Scheduled learning: 190 hours		Guided independent study: 110 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 50%, Coursework = 50%			
	As used by St Andrews: Coursework = 100% (made up of Group Work and 2 Field Excursions = 50%, Practical Examinations = 50%)			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr C V Rose			
Module teaching staff:	Earth and Environmental Sciences staff			

Interdisciplinary (ID) module

ID1006 Astrobiology: The Search for Life in the Universe			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	1.00 pm		
<p>This module aims to lead students through the scientific quest for the origin of life on Earth and the prospect for finding life on other planets, both in our solar system and on habitable worlds elsewhere in the Galaxy. The course will cover diverse topics in biology, geology, astronomy and chemistry, which comprise the field of astrobiology. We will also discuss the societal implication of detecting life outside Earth. The course will start by studying the origins and evolution of life on Earth and will use this as a framework for how to search for life in our Solar System and beyond. Due to the wide range of scientific topics covered, the course will be suitable for non-science majors as well as those in the sciences. A key component of the course will be to examine science as a way of knowing by looking at the scientific process, how scientific theories are developed and refuted, and discuss the burden of proof for extraordinary claims.</p>			
Learning and teaching methods of delivery:	Weekly contact: Lectures (2 hours x 11 weeks) Practical sessions (1 hour x 11 weeks) Oral presentation (3 hours x 3 weeks)		
	Scheduled learning: 42 hours	Guided independent study: 158 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-hour Written Examination = 80%, Coursework = 20%		
Module coordinator:	Dr M Claire		
Module teaching staff:	Dr A Macartney, Dr M Claire and Dr S Rugheimer		

School of Economics & Finance

Economics & Finance (EC) modules

EC1001 Macroeconomics				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu			
This module is designed to equip you with a fundamental knowledge of macroeconomics. On completing this module you should understand the basic subject matter and framework of macroeconomic analysis, and you should be able to use simple models to analyse such issues as the determinants of economic growth, unemployment, inflation and business cycles.				
Anti-requisite(s)	You cannot take this module if you take EC1004			
Learning and teaching methods of delivery:	Weekly contact: 30 hours of lectures over 10 weeks, plus 1 office hour (x 12 weeks) and 6 tutorials per semester.			
	Scheduled learning: 36 hours		Guided independent study: 164 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: 2-hour Written Examination = 75%, Coursework = 25%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr P G Egan			
Module teaching staff:	Prof A Sutherland and Dr P Egan			

EC1002 Microeconomics				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu			
The module provides an introduction to the market system and consumer and producer behaviour. Topics covered include demand, supply, elasticities, taxes, welfare and public goods. Different market structures are studied including perfect competition, monopoly and oligopoly. Market failure and the need for government intervention is also analysed. Strategic behaviour is investigated using game theory.				
Anti-requisite(s)	You cannot take this module if you take EC1004			
Learning and teaching methods of delivery:	Weekly contact: 30 hours of lectures over 11 weeks, plus 1 office hour (x 12 weeks) and 6 tutorials per semester.			
	Scheduled learning: 36 hours		Guided independent study: 164 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: 2-hour Written Examination = 75%, Coursework = 25%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr M A Leighton			
Module teaching staff:	Dr M Leighton			

Economics & Finance - 1000 & 2000 Level - 2018/9 - August - 2018

EC1003 Mathematics for Economists				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available to First year or Second year students. Students may not take MT1001 and EC1003 at the same time, but they may take MT1001 in first year and EC1003 in second year			
Planned timetable:	1.00 pm - 2.00 pm Mon, Tue, Thu			
This is an introduction to calculus and algebra that provides the indispensable mathematical tools for modern economics. Students will learn and practice the basic techniques to write and solve equations, graphically represent functions, and manipulate vectors and matrices. The content will go over fundamental notions like sets, functions, limits, continuity, linear applications, and derivatives, but the emphasis will be on the resolution of exercises and the application of techniques for economic models.				
Pre-requisite(s):	If not already passed you must take EC1001 or take EC1004 or take EC2002			
Anti-requisite(s)	Students may not take MT1001 in the same semester as EC1003			
Co-requisite(s):	If not already passed you must take EC1001 or take EC1004 or take EC2002			
Learning and teaching methods of delivery:	Weekly contact: 27 hours of lectures over 10 weeks, 18 hours practical classes over 10 weeks, plus 1 office hour (x 12 weeks)			
	Scheduled learning: 45 hours		Guided independent study: 155 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework (2 x 50 minute class tests) = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr T Cuhadaroglu			

EC1004 Economics				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu			
This module introduces the ideas, methods and techniques in both microeconomics and macroeconomics required for further study of the subject. It is intended for students who have already studied Economics at school. At the microeconomic level, the module studies the operation markets, market regulation, market failure and strategic behaviour. At the macroeconomic level, the module analyses the long run and short run determination of output, unemployment and inflation. It considers questions such as the appropriate use of monetary and fiscal policy to mitigate the effects of business cycles. And it introduces models which aim to explain the determinants of long run economic growth.				
Pre-requisite(s):	This module is recommended to be taken only by first year students with an appropriate school qualification in economics (e. G. Higher, A-Level, ib). Students may be advised against taking this module based on the results of an assessment.			
Anti-requisite(s)	You cannot take this module if you take EC1001 or take EC1002			
Learning and teaching methods of delivery:	Weekly contact: 30 hours of lectures over 10 weeks, plus 1 office hour (x 14 weeks) and 6 tutorials per semester			
	Scheduled learning: 36 hours		Guided independent study: 164 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: 2-hour Written Examination = 75%, Coursework = 25%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr M R Polisson			
Module teaching staff:	Dr M Polisson			

EC1008 Finance				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	1.00 pm Mon, Tue and Thu			
This module aims to provide an introduction to the economics of money, banking and financial markets. It presents a general overview of key monetary and financial market phenomena, of how key financial and money market institutions operate and the basic workings of financial and money markets. The module is designed to provide students with a general understanding of how financial markets work and the impact of financial markets on the domestic and international economic system.				
Pre-requisite(s):	Before taking this module you must pass EC1004 or pass EC1001			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures (x 10 weeks), 1 tutorial (x 6 weeks), 1 office hour (x 14 weeks)			
	Scheduled learning: 36 hours		Guided independent study: 164 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: 2-hour Written Examination = 75%, Coursework = 25%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr L Savorelli			

EC2001 Intermediate Microeconomics				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu and some Fridays			
The module aims to deepen the general understanding of microeconomics gained through the study of EC1002. It will cover a range of topics including: consumer and firm theory, decision under uncertainty, game theory and general equilibrium. Formal mathematical reasoning will be combined to a more intuitive approach. This will allow to provide the foundations on which the honours programme can build, while making the module accessible for students not pursuing their studies of economics beyond Level 2000.				
Pre-requisite(s):	Before taking this module you must pass EC1002 or pass EC1004 and (pass EC1003 or pass MT1002)			
Learning and teaching methods of delivery:	Weekly contact: 34 hours of lectures over 11 weeks, plus 1 officer hour (x 12 weeks) and 6 tutorials per semester.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 85%, Practical Examinations = 0%, Coursework = 15%			
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework = 30%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr M Negri			

Economics & Finance - 1000 & 2000 Level - 2018/9 - August - 2018

EC2002 Intermediate Macroeconomics				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Tue, Thu and some Fridays			
This module builds on EC1001, developing theories of the determinants of long-run economic growth, and developing theories of the causes of short-run business cycle fluctuations. The emphasis in this module is on macroeconomic theory - the building of macroeconomic models. However, we test the validity of these models empirically and use them to understand important events in recent economic history. The module remains reasonably non-technical so it is accessible to those whose study of economics ends at Level 2000. But, it also enables those students intending to pursue economics at honours to consolidate their understanding of basic principles of analysis and to develop the foundation on which the honours programme builds.				
Pre-requisite(s):	If not already passed you must (take EC1003 or take MT1002). Before taking this module you must take EC1001 or take EC1004			
Co-requisite(s):	If not already passed you must (take EC1003 or take MT1002)			
Learning and teaching methods of delivery:	Weekly contact: 34 hours of lectures over 10 weeks, plus 1 office hour (x 12 weeks) and 6 tutorials per semester.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 85%, Practical Examinations = 0%, Coursework = 15%			
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework = 30%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr P D Macmillan			
Module teaching staff:	Dr P Macmillan			

EC2203 Statistics for Economists				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	12.00 noon Mon, Tue, Thu			
The module will provide an introduction to statistical methods and regression analysis. Basic probability theory is introduced in order to build up the framework of statistical inference. Statistical principles are then applied to simple regression analysis. Emphasis will be placed on techniques according to their relevance and application to economics. The module is designed for those planning honours economics.				
Pre-requisite(s):	Before taking this module you must pass EC2002 and (pass EC1003 or pass MT1002)			
Anti-requisite(s)	You cannot take this module if you take MT2004 or take MT2508			
Learning and teaching methods of delivery:	Weekly contact: 27 hours of lectures over 11 weeks, 2-hour practical classes (x 10 weeks), plus 1 office hour (x 12 weeks)			
	Scheduled learning: 47 hours		Guided independent study: 153 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework (2 x 50-minute Class Tests) = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr I Merkurieva			

School of English

English (EN) modules

EN1003 Culture and Conflict: An Introduction to Nineteenth- and Twentieth-Century Literature

SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	11.00 am			
In this module students are introduced to a range of texts, in prose and verse, from the nineteenth and twentieth centuries. Emphasis is laid upon (i) close reading; (ii) the importance of literary-historical context; and (iii) using literary theory.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial, and 2 optional consultative hours.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr J D Byatt			
Module teaching staff:	Team taught			

EN1004 Explorers and Revolutionaries: Literature 1680 - 1830

SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	11.00 am			
This module introduces a range of works from the period 1680-1830. Looking at travel, colonialism, and different constructions of man's natural estate in the early eighteenth century, the module traces the development of these themes into Romanticism's passion for literal and figurative journeys, its revolutionary critique of human enslavement by society, and its fascination with the power of Nature.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial, and 2 optional consultative hours.			
	Scheduled learning: 43 hours		Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr K E Treen			
Module teaching staff:	Team taught			

English - 1000 & 2000 Level - 2018/9 - August - 2018

EN2003 Medieval and Renaissance Texts				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Availability restrictions:	Not available to First Year students.			
Planned timetable:	4.00 pm			
In this module students will learn to read early forms of English language and literature, using specially edited texts from Old English, Middle English and Older Scots. In the other half of the module students will encounter and gain a critical understanding of Renaissance verse, via the study of John Donne's poems and Milton's Paradise Lost.				
Pre-requisite(s):	No pre-requisites when taken as a 'stand alone' module, but EN2003 is not available to students in their first year.			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial, and 2 optional consultative hours.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr G J Pertile			
Module teaching staff:	Team taught			

EN2004 Drama: Reading and Performance				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Availability restrictions:	Not available to First Year students.			
Planned timetable:	4.00 pm			
This module is designed to provide an introduction to a small number of representative plays from the Renaissance period and from the twentieth century. Special emphasis will be laid upon conditions of production and reception: the literary, political and theatre-historical contexts in which these plays were first created and those in which they are now received. At the same time the distinctive nature of the theatrical medium will be stressed, and students will be encouraged to develop a flexible critical response that will take proper account of the hybrid nature of plays both as texts and as performances.				
Pre-requisite(s):	No pre-requisites when taken as a 'stand alone' module, but EN2004 is not available to students in their first year.			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial, and 2 optional consultative hours.			
	Scheduled learning: 43 hours		Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr J S F Haddow			
Module teaching staff:	Team taught			

Geography & Sustainable Development - 1000 & 2000 Level - 2018/9 - August - 2018
School of Geography & Sustainable Development

Geography (GG) modules

GG1001 Welcome to the Anthropocene: Society, Population, Environment				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	Lectures: 11.00 am Tue, Wed, Thu and tutorials: 11.00 am Mon or Fri			
<p>As the global population speeds past 7 billion, mounting evidence about resource depletion and climate change, and global economic inequality and social injustice, suggests current human development is unsustainable and that we are now living in the Anthropocene - an era in which human activity has, for the first time, become the dominant driver of environmental processes, and is causing unprecedented global change. The module shows how Geography, a discipline that draws on knowledge that spans the social and natural sciences and the humanities, is uniquely placed to understand our changing world. Its combination of lectures and tutorials are relevant to students across the University.</p>				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures (x 10 weeks) + 3 x 2-hour laboratory, 5 x 1-hour tutorials, and 1 x 4-hour fieldtrip during the semester.			
	Scheduled learning: 45 hours		Guided independent study: 155 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr T R Cowton			
Module teaching staff:	Team taught			

GG1002 A World in Crisis?				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 11.00 am Tue, Wed, Thu and tutorials: 11.00 am Mon or Fri			
<p>Contemporary global problems such as pollution, biodiversity loss and population growth are critical issues for the planet's future and demonstrate the interdependence of social and environmental systems. This module unpacks the complexity of these challenges by analyzing different manifestations of 'a world in crisis' as questions of geography - shaped by geographic processes operating at a range of scales (from the global to the local). The module thus explores how Geography works as a 'world discipline' that is equipped to examine global problems from a range of human, environmental and physical geography perspectives. Teaching comprises a mix of lecture learning and project work on selected global problems.</p>				
Pre-requisite(s):	Before taking this module you must pass GG1001			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures (x 11 weeks) 5 x 1-hour tutorials, and 1 x 8-hour field class during the semester.			
	Scheduled learning: 46 hours		Guided independent study: 154 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr T R Cowton			
Module teaching staff:	Team taught			

Geography & Sustainable Development - 1000 & 2000 Level - 2018/9 - August - 2018

GG2011 Geographies of Global Change				
SCOTCAT Credits:	30	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	Lectures: 9.00 am Mon - Fri, other classes: 2.00 pm - 4.00 pm or 4.00 pm - 6.00 pm Mon			
<p>Geography is the study of the world around us, and how it is changing and has changed. The module encourages students to think 'geographically' about particular physical and human dimensions of global change: environmental, atmospheric, hydrological, geomorphological and palaeoecological change; and demographic and economic change. These geographical themes will be framed by a discussion of the nature and evolution of geography as a discipline, and how thinking 'geographically' involves understanding the operation of and interactions between complex bio-physical and social processes. The module explores how the geographer views such processes through the conceptual lenses of time, space, context, scale and variation, and using field, laboratory and model-based methods. Classroom instruction is complemented by lab work which develops key skills in cartography and Geographic Information Science.</p>				
Pre-requisite(s):	Before taking this module you must pass GG1001 and pass GG1002			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures (x 10 weeks), 4 x 1 hour tutorials, 1 x 8 hours fieldtrip, 2 x 2 hour practicals during the semester.			
	Scheduled learning: 56 hours		Guided independent study: 244 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 15%, Coursework = 45%			
	As used by St Andrews: 2-hour Written Examination = 40%, Practical Examination = 15%, Coursework = 45%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr D McCollum			
Module teaching staff:	Team taught			

GG2012 (Re)constructing Environments, People and Places				
SCOTCAT Credits:	30	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 9.00 am Mon - Fri, other classes: 2.00 pm - 4.00 pm Mon or 4.00 pm - 6.00 pm Mon			
<p>An important contemporary focus within Geography is the reconstruction of physical and human environments, and the study of processes of environmental and social change in order to understand present-day patterns and explore future scenarios. Geographers from all parts of the discipline share a concern with how and why different peoples, places and bio-physical and social processes operated in both time and space. The different lecture blocks in the module on environmental management, ecological change, health inequalities, and cultural difference - explore these folds between time and space. The module prepares students for entry to Honours Geography, and, through a residential fieldtrip, broadens their geographic interests and skills in physical and human geography.</p>				
Pre-requisite(s):	Before taking this module you must pass GG2011			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures (x 11 weeks) + 4 x 1-hour tutorials, 2 x 3-hour practicals, 1 x 16-hour fieldtrip during the semester.			
	Scheduled learning: 70 hours		Guided independent study: 226 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr D McCollum			
Module teaching staff:	Team taught			

Sustainable Development (SD) modules

SD1000 What is Sustainable Development?			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	9.00 am Tue, Wed, Thu		
<p>The module provides an introductory overview to the core societal and environmental challenges of the 21st Century and of the solutions that are a core part of Sustainable Development. Students explore the broad definitions of Sustainable Development (contextualising it in historical and conceptual terms), consider their multiple disciplinary facets and interpretations, and then interrogate critically the different approaches and meanings involved in the SD discourse. Overall, the aim is to foster critical analysis of the principles, practice and plurality of Sustainable Development, and thereby - ultimately - contribute to the evolution of innovative, interdisciplinary thinking and action necessary for moving towards more sustainable futures.</p>			
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour lectures (x 11 weeks) 1-hour tutorials (x 5 weeks), 1 x 8-hour fieldwork and 2 further contact hours in total		
	Scheduled learning: 48 hours	Guided independent study: 154 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Dr A C K Brown		
Module teaching staff:	Team taught		

SD1004 Sustainable Development Goals: Challenges and Opportunities			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	9.00 am Tue, Wed, Thu		
<p>Building on the introduction and broad overview of Sustainable Development (SD) provided in SD1000, SD1004 offers detailed investigation of a selection of core issues in SD and of how these issues are addressed by key players. Utilising the UN's Sustainable Development Goals as a framework, the module is organised around five thematic clusters: Poverty, inequalities & migration; Health, education & wellbeing; Peace, justice & governance; Climate change & energy; and Biodiversity and ecosystems. These themes are explored from various disciplinary perspectives, explaining: (i) how each theme can be understood and what it entails in practice, (ii) who the key stakeholders are and the nature of their involvement, and (iii) how we can critically analyse the evidence in the context of SD and go beyond conventional paradigms and behavioural patterns. The module also highlights recurring, cross-cutting themes such as values, partnership and diversity as ambitions of SD.</p>			
Pre-requisite(s):	Before taking this module you must pass SD1000		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures (x 10 weeks), 1 tutorial (x 5 weeks) and 4 hours of fieldwork over the semester		
	Scheduled learning: 39 hours	Guided independent study: 164 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-hour Written Examination - 100%		
Module coordinator:	Dr A C K Brown		
Module teaching staff:	Team taught		

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SD2001 Sustainable Development: Frameworks for Implementation				
SCOTCAT Credits:	30	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	1.00 pm Mon, Tue, Fri (lectures), and one of 9.00 am, 10.00 am Wed, or 10.00 am Thu (seminars/tutorials)			
	<p>Having considered in Level 1 why the concept of sustainable development (SD) is important and key concerns and areas of debate in understanding meanings of SD, Level 2 of the programme progresses to introduce aspects of how SD might be encouraged and facilitated. This module considers broad conceptual approaches to implementing SD. It includes more traditional frameworks based on governance and regulation ('command and control') as well as examining the role and importance of other approaches, including environmental economics and the use of market-based mechanisms, technological innovation, self-regulation, changing individual lifestyles, education and community-based enablement, and the principles of conservation science. The module also addresses the extent to which these different approaches are independent or can be used together to bring about change for SD.</p>			
Pre-requisite(s):	Before taking this module you must pass SD1000 and pass SD1004			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures (x 10 weeks), 4 x 1-hour seminars, 5 x 1-hour tutorials, 2 x 1-hour debriefing sessions, 2 x 6-hour fieldtrips during the semester.			
	Scheduled learning: 53 hours		Guided independent study: 247 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 30%, Practical Examinations = 20%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr T A Stojanovic			
Module teaching staff:	Team taught			

SD2002 Sustainable Development: Tools for Action				
SCOTCAT Credits:	30	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	1.00 pm Mon, Tue, Thu, Fri (lectures), 10.00 am and 11.00 am Tue & Wed, 9.00 am & 10.00 am Thu (seminars/tutorials), 10.00 am Wed & Thu (labs)			
	<p>It is not often clear how ideas from sustainable development catalysed real-world change. The SD2002 module builds upon core themes from SD2001 and looks at 'how' different agents, such as governments, corporations, and individuals enact change. Fundamental to this module is the development of methodologies used to gather evidence and study the problems faced in SD. The module will challenge students to develop critical analysis skills; both qualitative and quantitative. A highlighting feature of the SD2002 module is a field-trip to the Links at St Andrews, to learn about sustainability initiatives in the golf industry.</p>			
Pre-requisite(s):	Before taking this module you must pass SD2001			
Learning and teaching methods of delivery:	Weekly contact: 38 lectures (3 lectures x 11 weeks plus 5 extra lectures); 1-hour seminar (x 8 weeks); 1-hour tutorial (x 4 weeks); 2-hours practicals (x 3 weeks); and 1 x 4-hours fieldtrip			
	Scheduled learning: 56 hours		Guided independent study: 244 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 20%, Coursework = 30%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr T A Stojanovic			
Module teaching staff:	Team taught			

School of History

History (HI) modules

HI2001 History as a Discipline: Development and Key Concepts			
SCOTCAT Credits:	20	SCQF Level 8	Semester
Academic year:	2018/9		
Planned timetable:	11.00 am Mon, Tue and Thu		
<p>This module provides an introduction to key theoretical and methodological approaches which have characterised the emergence of History as a discipline since mediaeval times. It covers a number of influential historical schools and perspectives, which are taught thematically with reference to the mediaeval, early modern and late modern periods. The module builds on knowledge acquired by students during their first three semesters of study and equips them with the skills to undertake honours work in History.</p>			
Pre-requisite(s):	Any 3 history modules (AN, ME or MO), including at least 1 at 2000-level.		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr M A McLean		

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Mediaeval History (ME) modules

ME1003 The Fall of Rome and the Origins of Europe (400-1000)				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	10.00 am Mon, Tue and Thu			
<p>The Middle Ages began with the fifth-century crisis of the Roman Empire. This module examines how political, cultural and social life changed in the Byzantine, British and 'barbarian' worlds in response to major upheavals. The first half focuses on the period up to the ninth century, exploring how the West dealt with the collapse and rebuilding of empire, and how the Eastern Empire responded to the Islamic caliphate. In the second half, the module studies how the emerging certainties of the eighth century fell away and new challenges were posed by new invaders, new ideas, and changes in the structures of society. In contrast the East witnessed a gradual Byzantine revival and re-emergence as a major power.</p>				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr T W Greenwood			

ME1006 Scotland and the English Empire 1070 - 1500				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	10.00 am Mon, Tue and Thu			
<p>From the aftermath of the Norman Conquest of England to the close of the Fifteenth Century, the history of the island of Britain centred on the development of two monarchies: the English crown and its dominions and the kingdom of Scotland. This module has at its core the relationship between the two realms and comparisons of the different but related societies they contained. The English and Scottish realms are examined as specific examples of northern European kingdoms in the high and later Middle Ages. Attention is paid to their internal development and to issues of national identity but weight is also given to the full range of contacts between the princes and peoples of Britain and the wider world, in particular via the Church and through extensive ties with France and the Low Countries.</p>				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Prof M H Brown			

ME2003 Mediaeval Europe (11th - 15th c.)			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	3.00 pm Mon, Tue and Thu		
<p>This module surveys the history of Europe and the Mediterranean world from the twelfth to the fifteenth centuries. The module takes thematic cross-sections which will enable students to understand not just the crucial events that shaped the period (such as the Crusades, the fall of Constantinople, the Black Death, the threat of Mongol invasions and popular rebellions), but also the mentalities of the people who experienced them. The thematic structure of tutorials will allow comparison within each theme, covering not just Europe but also the Byzantine and Islamic worlds. Possible themes may include political structures, popular devotion, religious dissent, transmission of intellectual thought, violence and warfare, marriage, childhood, the persecution of minorities, assimilation and co-existence and travel and exploration.</p>			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 40 hours	Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr A Del Campo Gutierrez		

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Middle Eastern History (MH) modules

MH2002 Introduction to Middle Eastern History			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	3.00 pm Mon, Tue, Thu		
	<p>This module provides an introduction to Middle Eastern History from the dramatic reconfiguration of the Middle East in late Antiquity to its contested and contentious recent past. It explores political, social and cultural life across the Middle East through the comparative treatment of several themes. These will normally include states and authority; social dislocation and transformation; belief and literary expression; identity; and cross-cultural engagement. It will also define and explore key moments of transition, including the spread of Islam, Turkic irruptions and European encounters. Collectively these have profoundly influenced the modern Middle East.</p>		
Pre-requisite(s):	60 credits of me or mo modules or 60 credits of ar modules or 60 credits of pr modules		
Co-requisite(s):	60 credits of me or mo modules or 60 credits of ar modules or 60 credits of pr modules		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr S Randjbar-Daemi		

Modern History (MO) modules

MO1007 The Early Modern Western World (c. 1450 - c. 1770)			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	12.00 noon Mon, Tue and Thu		
This module will look at continental European history in the early modern period, and the expansion of Europe. The British Isles will not be a major focus of this module, but British material will be touched upon as part of broader European comparative treatment of several themes. The module will be structured into two halves: New Worlds and The Struggle for Order: the first half will focus more (but not exclusively) on the period c.1450 - c.1600, the second half more on the period c.1600 - c.1770.			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 40 hours	Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr M A McLean		

MO1008 Themes in Late Modern History (c. 1776 - 2001)			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	12.00 noon Mon, Tue and Thu		
This module provides a thematic coverage of major political and social developments in the Western world during the 19th and 20th centuries. By adopting a thematic rather than chronological structure, it highlights continuities and ruptures in modern European, American and Middle Eastern history, with an emphasis on comparative approaches to subjects like revolution, ideology and rapid social and cultural change that have shaped the modern world.			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr F M Nethercott		

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MO2008 Scotland, Britain and Empire (c. 1500 - 2000)			
SCOTCAT Credits:	20	SCQF Level 8	Semester
Academic year:	2018/9		
Planned timetable:	11.00 am Mon, Tue and Thu		
<p>This module provides an introduction to how and why the British nation state evolved from the separate kingdoms of England, Scotland and Ireland and how and why it has survived over the last three centuries. Such a project involves an analysis of the shifting relations between the component parts of the British Isles, and their overseas imperial activities, between 1500 - 2000. The core of the module is political history, broadly defined, and to facilitate more in-depth analysis of the range of factors impacting on political developments, the period is divided into four thematically coherent eras: the Reformations and the Making of Britain 1500 -1660; Britain and the Atlantic World 1660 - 1815; Industrial Britain and the Rise of Empire 1750 - 1918; the Decline and Fall of Empire: Britain in the Twentieth Century.</p>			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 40 hours	Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr M R Petrie		

School of International Relations

International Relations (IR) modules

IR1005 Introduction to International Relations			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to First Year students in the Faculties of Arts and Divinity.		
Planned timetable:	10.00 am Mon, Tue, Wed		
This module provides students with some of the basic theoretical approaches and concepts used in the study of international relations. At the same time it relates these concepts to international conflict, attempts to create a more peaceful international order, and the problems of a globalising world.			
Pre-requisite(s):	In taking this module you must have aaab at higher or aaa at A-Level or ib38 or equivalent and you must be a first year student in the faculties of arts and divinity.		
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour lectures (x 10 weeks), 1 x 1-hour tutorial (x 10 weeks), 1 consultation hour with Tutor (x 10 weeks) and 2 consultation hours with Year Coordinator (x 12 weeks). 4 hours of exam feedback are given in week 1 of the following semester.		
	Scheduled learning: 77 hours	Guided independent study: 123 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%		
Re-assessment pattern:	3-hour Written Examination = 100%		

IR1006 Foreign Policy Analysis and International Security			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	10.00 am Tue, Wed, Thu		
This module looks at the way states make foreign policy and the importance of security to this process. We start by looking at the domestic context, move on to issues of security, explore the way individual states shape their policy and the extent to which their actions are shaped by international regimes, law and diplomacy.			
Pre-requisite(s):	Before taking this module you must pass IR1005		
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour lectures (x 10 weeks), 1 x 1-hour tutorial (x 10 weeks), 1 consultation hour with Tutor (x 10 weeks) and 2 consultation hours with Year Coordinator (x 12 weeks). 4 hours of exam feedback are given in week 1 of the following semester.		
	Scheduled learning: 77 hours	Guided independent study: 123 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%		
Re-assessment pattern:	3-hour Written Examination = 100%		

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IR2005 Theoretical Approaches to International Relations				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	11.00 am Wed, 10.00 am Thu			
<p>Theory is central to the discipline of International Relations. It is theory that distinguishes the field from the study of history, current affairs or journalism and makes the subject area more than simple descriptive thought. This module examines the main current theories in IR and provides an overview of their main theoretical approaches to the study of IR, from Liberalism and Realism; through Constructivism and the English School, to radical Marxist and Neo-Marxist perspectives as well as Feminism, Post-Colonialism and Postmodernism. The main purpose of this module is to facilitate a comprehensive understanding of how major scholars, past and contemporary, have theorised about the dynamics of international relations. The theories generally make a number of propositions which sometimes offer conflicting perspectives, but also occasionally overlap. Our main task will be to outline, critique, compare and contrast the assumptions and values which underlie each of these theories so students may enhance their own critical understanding of IR as well as form their own perspectives.</p>				
Pre-requisite(s):	Before taking this module you must pass IR1006			
Learning and teaching methods of delivery:	Weekly contact: 2 x 1-hour lectures (x 10 weeks), 1 x 1-hour tutorial (x 10 weeks), 1 consultation hour with Tutor (x 10 weeks) and 2 consultation hours with Year Coordinator (x 12 weeks). 2 hours of exam feedback are given in week 1 of the following semester.			
	Scheduled learning: 29 hours		Guided independent study: 180 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			

IR2006 Issues in International Relations				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	4.00 pm Tue, Thu			
<p>Building on IR2005's discussion of theoretical approaches to International Relations, this module will explore how these relate to some of the issues that confront those engaged in the world of international politics. The introduction to the module will reiterate why theory matters and each week the lecturers will approach the individual issues through one of two theoretical lenses, though there will be no single model applied to all cases. These will include: terrorism and asymmetric warfare, non-proliferation and weapons of mass destruction, 'new wars', humanitarian intervention and its limits, human rights, religion, aid and development, environmental change, regionalism.</p>				
Pre-requisite(s):	Before taking this module you must pass IR2005			
Learning and teaching methods of delivery:	Weekly contact: 2x 1-hour lectures (x 10 weeks), 1 x 1-hour tutorial (x 10 weeks), 1 consultation hour with Tutor (x 10 weeks) and 2 consultation hours with Year Coordinator (x 12 weeks). 2 hours of exam feedback are given in week 1 of the following semester.			
	Scheduled learning: 32 hours		Guided independent study: 177 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-hour Written Examination = 100%			

School of Management

Management (MN) modules

MN1001 Organisations and Society				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	4.00 pm			
This module introduces students to three key aspects of Management in the external and internal environment. Firstly, Understanding the Business Environment analyses changes in key environmental forces, the impact of such changes on organisations and the implications for Management. Secondly, People and Organisations looks at theoretical perspectives and practical problems in understanding people and work and how they are managed. Thirdly, Economic Principles examines how the particular environment, objectives and structural form of organisations may affect their behaviour and performance.				
Learning and teaching methods of delivery:	Weekly contact: 4 lectures (x 10 weeks) and 1 tutorial (x 9 weeks), and 2 optional consultative hours (x 10 weeks)			
	Scheduled learning: 49 hours		Guided independent study: 151 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Mrs D McGoldrick			
Module teaching staff:	Team taught			

MN1002 Organisations and Analysis				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	4.00 pm			
This module examines some of the main analytical approaches and techniques required by managers. It examines how managers can acquire and analyse business data and provides an introduction to financial accounting concepts and techniques. Finally, the integration of these approaches is developed by the use of a case study.				
Learning and teaching methods of delivery:	Weekly contact: 4 lectures (x 8 weeks) and 1 tutorial (x 11 weeks), and 2 optional consultative hours (x 11 weeks)			
	Scheduled learning: 43 hours		Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Mrs D McGoldrick			
Module teaching staff:	Team taught			

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MN2001 Management and Society			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	3.00 pm		
<p>The multidisciplinary nature of management is reflected in this module. It examines the conceptual frameworks and techniques of Marketing and Organisational Behaviour which are complementary to one another in reflecting the organisation's relation to its internal and external environment. In doing so, the module will develop an understanding of the growth of Marketing and its role in management, give consideration to how the behaviour of individuals and groups in organisations may be understood and managed and also show how managers might better appreciate the markets and market forces they are committed to dealing with.</p>			
Pre-requisite(s):	Before taking this module you must pass MN1001 and pass MN1002		
Learning and teaching methods of delivery:	Weekly contact: 4 lectures (x 10 weeks) and 1 tutorial (x 8 weeks), and 2 optional consultative hours (x 10 weeks)		
	Scheduled learning: 48 hours	Guided independent study: 152 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%		
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework = 30%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Mrs D McGoldrick		
Module teaching staff:	Team taught		

MN2002 Management and Analysis			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	3.00 pm		
<p>This module comprises two components and further develops the analytical skills and insights required for Management. Firstly, The Management Kaleidoscope examines some of the alternative perspectives on Management and the changing policy and business environment for organisations. It will explore the emergence of alternative organisational forms, such as community ownership or co-operatives and look at the growth of hybrid organisational forms and practises. Secondly, the Analysis of Financial Data component seeks to engage with accounting from a broader sociological perspective through trying to make sense of the production and impact of accounting knowledge and the effects that it can have upon organisations and society alike. It will develop an understanding of accounting that is firmly rooted within the broader context of society and will highlight the way in which accounting figures are constructed, used and the effects they can have. A number of well-known financial techniques for analysing organisations are introduced.</p>			
Pre-requisite(s):	Before taking this module you must pass MN2001		
Learning and teaching methods of delivery:	Weekly contact: 4 lectures (x 11 weeks) and 1 tutorial (x 8 weeks), and 2 optional consultative hours (x 11 weeks)		
	Scheduled learning: 52 hours	Guided independent study: 148 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%		
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework = 30%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Mrs D McGoldrick		
Module teaching staff:	Team taught		

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MN2112 Enterprise and Creativity			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Availability restrictions:	Not available to First Year students.		
Planned timetable:	1.00 pm Tue and 1.00 pm Thu		
<p>Enterprise and Creativity aims to give Second Level students across the university, the opportunity to learn how to develop a project by doing it. Enhancing their own creativity and enterprise skills, students will be working in teams to design and deliver an enterprising project. The success of the module relies on students taking a proactive role in managing their learning. The module will incorporate lectures, delivered by staff from different Schools, and tutorials where students will be expected to generate their own results, using the materials provided. This module is demanding but it will offer students a life-changing experience.</p>			
Pre-requisite(s):	Students must be in the second year of any degree programme.		
Learning and teaching methods of delivery:	Weekly contact: 2 lectures (x 10 weeks) and 1 tutorial (x 8 weeks), and 2 optional consultative hours (x 10 weeks)		
	Scheduled learning: 28 hours	Guided independent study: 172 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%		
	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	An alternative project of up to 3,000 words = 100%		
Module coordinator:	Ms B S Hacking		
Module teaching staff:	Team taught		

School of Mathematics & Statistics

Mathematics (MT) modules

MT1001 Introductory Mathematics			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	9.00 am		
	This module is designed to give students a secure base in elementary calculus to allow them to tackle the mathematics needed in other sciences. Students wishing to do more mathematics will be given a good foundation from which they can proceed to MT1002. Some of the work covered is a revision and reinforcement of material in the Scottish Highers and many A-Level syllabuses.		
Pre-requisite(s):	Students must have higher or A-Level mathematics (as-level mathematics with approval of head of school)		
Anti-requisite(s)	In taking this module you cannot take MT1003 or take CS1010. Students may not take MT1001 and EC1003 at the same time, but may take MT1001 in first year and EC1003 in second year.		
Learning and teaching methods of delivery:	Weekly contact: 5 lectures (weeks 1 - 10), 1 tutorial and 1 laboratory (weeks 2 - 11).		
	Scheduled learning: 70 hours	Guided independent study: 130 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 90%, Practical Examinations = 0%, Coursework = 10%		
	As used by St Andrews: Written Examination = 90% (2-hour final exam = 70%, 2 class tests = 10% each), Coursework = 10%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Dr C V Tran		
Module teaching staff:	Dr C Tran, Dr T Coleman, Dr P Pagano, Dr P Syntelis		

MT1002 Mathematics			
SCOTCAT Credits:	20	SCQF Level 7	Semester Both
Academic year:	2018/9		
Planned timetable:	9.00 am		
	This module is designed to introduce students to the ideas, methods and techniques which they will need for applying mathematics in the physical sciences or for taking the study of mathematics further. It aims to extend and enhance their skills in algebraic manipulation and in differential and integral calculus, to develop their geometric insight and their understanding of limiting processes, and to introduce them to complex numbers and matrices.		
Pre-requisite(s):	If MT1001 has not been passed, you must have at least grade b in advanced higher or a level mathematics or an equivalent level mathematics qualification. Before taking this module you must pass MT1001. If MT1001 has not been passed, you must have at least grade b in advanced higher mathematics or A-Level mathematics or an equivalent level mathematics qualification		
Learning and teaching methods of delivery:	Weekly contact: 5 lectures (weeks 1 - 10), 1 tutorial and 1 laboratory (weeks 2 - 11).		
	Scheduled learning: 66 hours	Guided independent study: 134 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 90%, Practical Examinations = 0%, Coursework = 10%		
	As used by St Andrews: Written Examination = 90% (2-hour final exam = 70%, 2 class tests = 10% each), Coursework = 10%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Prof C M Roney-Dougal		
Module teaching staff:	Prof C Roney-Dougal, Dr T Coleman, Dr A Wright, Dr A Naughton		

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MT1003 Pure and Applied Mathematics			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	9.00 am		
The aim of this module is to provide students with a taste of both pure and applied mathematics, to give them insight into areas available for study in later years and to provide them with the opportunity to broaden their mathematical experience.			
Pre-requisite(s):	Before taking this module you must pass MT1002		
Learning and teaching methods of delivery:	Weekly contact: 5 lectures (weeks 1 - 10), 1 tutorial and 1 laboratory (weeks 2 - 11).		
	Scheduled learning: 70 hours	Guided independent study: 130 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 90%, Practical Examinations = 0%, Coursework = 10%		
	As used by St Andrews: Written Examination = 90% (2-hour final exam = 70%, 2 class tests = 10% each), Coursework = 10%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Dr A Naughton		
Module teaching staff:	Dr A Naughton, Dr A Wilmot-Smith, Dr C Bleak,		

MT1007 Statistics in Practice			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	11.00 am		
This module provides an introduction to statistical reasoning, elementary but powerful statistical methodologies, and real world applications of statistics. Case studies based on environmental impact assessment, medicine and economics and finance are used throughout the module to motivate and demonstrate the principles. Students get hands-on experience exploring data for patterns and interesting anomalies as well as experience using modern statistical software to fit statistical models to data.			
Pre-requisite(s):	Students must have at least gcse (at a) or standard grade (grade 1) or as-level/higher (grade c) in mathematics		
Learning and teaching methods of delivery:	Weekly contact: 4 lectures (weeks 1 - 10), 1 tutorial and 1 laboratory (weeks 2 - 11).		
	Scheduled learning: 60 hours	Guided independent study: 140 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-hour Written Examination = 75%, Existing Coursework = 25%		
Module coordinator:	Dr M L Burt		
Module teaching staff:	Dr L Burt, Dr Charles Paxton		

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MT1010 Topics in Mathematics: Problem-solving Techniques

SCOTCAT Credits:	10	SCQF Level 7	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Fast Track route through the MMath degree programme.			
Planned timetable:	10.00 am Mon (odd weeks), Wed and Fri			
This module introduces some important basic concepts in mathematics and also explores problem-solving in the context of these topics. It is intended to strengthen the mathematical skills of an undergraduate entering on the Fast Track route into the MMath degree programme.				
Pre-requisite(s):	Students must have gained admission onto the fast track mmath degree programme			
Learning and teaching methods of delivery:	Weekly contact: 1.5-hour lecture, 1 practical and 1 tutorial (x 10 weeks)			
	Scheduled learning: 35 hours		Guided independent study: 65 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 1.5-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	1.5-hour Written Examination = 50%, Existing Coursework = 50%			
Module coordinator:	Dr V M Popov			
Module teaching staff:	Dr V Popov, Dr R Scott, Prof N Ruskuc			

MT2501 Linear Mathematics

SCOTCAT Credits:	15	SCQF Level 8	Semester	Both
Academic year:	2018/9			
Planned timetable:	12.00 noon Mon (odd weeks), Wed and Fri [Semester 1]; 11.00 am Mon (even weeks), Tue and Thu [Semester 2]			
This module extends the knowledge and skills that students have gained concerning matrices and systems of linear equations. It introduces the basic theory of vector spaces, linear independence, linear transformations and diagonalization. These concepts are used throughout the mathematical sciences and physics. It is recommended that students in the Faculties of Arts and Divinity take an even number of the 15-credit 2000-level MT modules.				
Pre-requisite(s):	Before taking this module you must pass MT1002. If MT1002 has not been passed, advanced higher mathematics (at grade a) or A-Level further mathematics (at grade a) or both A-Level mathematics and physics (at grade a) or admission to a fast track mmath programme.			
Learning and teaching methods of delivery:	Weekly contact: 2.5-hours lectures (x 10 weeks), 1 tutorial (x 5 weeks), 1 examples class (x 5 weeks)			
	Scheduled learning: 35 hours		Guided independent study: 115 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 85%, Practical Examinations = 0%, Coursework = 15%			
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework (including class test 15%) = 30%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr T D H Coleman			
Module teaching staff:	Dr T Coleman			

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MT2502 Analysis				
SCOTCAT Credits:	15	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	11.00 am Mon (even weeks), Tue and Thu			
The main purpose of this module is to introduce the key concepts of real analysis: limit, continuity and differentiation. Emphasis will be placed on the rigorous development of the material, giving precise definitions of the concepts involved and exploring the proofs of important theorems. This module forms the prerequisite for all later modules in mathematical analysis. It is recommended that students in the Faculties of Arts and Divinity take an even number of the 15-credit 2000-level MT modules.				
Pre-requisite(s):	Before taking this module you must pass MT1002. If MT1002 has not been passed, advanced higher mathematics (at grade a) or A-Level further mathematics (at grade a) or admission to a fast track mmath programme.			
Learning and teaching methods of delivery:	Weekly contact: 2.5 hours lectures (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)			
	Scheduled learning: 35 hours		Guided independent study: 115 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 85%, Practical Examinations = 0%, Coursework = 15%			
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework (including class test 15%) = 30%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr M J Todd			
Module teaching staff:	Dr M Todd			

MT2503 Multivariate Calculus				
SCOTCAT Credits:	15	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	12.00 noon Mon (even weeks), Tue and Thu			
This module extends the basic calculus in a single variable to the setting of real functions of several variables. It introduces techniques and concepts that are used throughout the mathematical sciences and physics: partial derivatives, double and triple integrals, surface sketching, cylindrical and spherical coordinates. It is recommended that students in the Faculties of Arts and Divinity take an even number of the 15-credit 2000-level MT modules.				
Pre-requisite(s):	Before taking this module you must pass MT1002. If MT1002 has not been passed, advanced higher mathematics (at grade a) or A-Level further mathematics (at grade a) or both A-Level mathematics and physics (at grade a) or admission to a fast track mmath programme.			
Learning and teaching methods of delivery:	Weekly contact: 2.5 hours lectures (x 10 weeks), 1 tutorial (x 5 weeks), 1 examples class (x 5 weeks)			
	Scheduled learning: 35 hours		Guided independent study: 115 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 85%, Practical Examinations = 0%, Coursework = 15%			
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework (including class test 15%) = 30%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr T D H Coleman			
Module teaching staff:	Dr T Coleman, Prof A Hood			

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MT2504 Combinatorics and Probability

SCOTCAT Credits:	15	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	11.00 am Mon (odd weeks), Wed and Fri			
This module provides an introduction to the study of combinatorics and finite sets and also the study of probability. It will describe the links between these two areas of study. It provides a foundation both for further study of combinatorics within pure mathematics and for the various statistics modules that are available. It is recommended that students in the Faculties of Arts and Divinity take an even number of the 15-credit 2000-level MT modules.				
Pre-requisite(s):	Before taking this module you must pass MT1002. If MT1002 has not been passed, advanced higher mathematics (at grade a) or A-Level further mathematics (at grade a) or admission to a fast track mmath programme.			
Learning and teaching methods of delivery:	Weekly contact: 2.5 hours of lectures (x 10 weeks), 1-hour tutorial (x 4 weeks), 1-hour examples class (x 5 weeks)			
	Scheduled learning: 34 hours		Guided independent study: 116 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%			
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework = 30%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Prof C M Roney-Dougal			
Module teaching staff:	Prof C Roney-Dougal, Dr H Worthington			

MT2505 Abstract Algebra

SCOTCAT Credits:	15	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	11.00 am Mon (odd weeks), Wed and Fri			
This main purpose of this module is to introduce the key concepts of modern abstract algebra: groups, rings and fields. Emphasis will be placed on the rigorous development of the material and the proofs of important theorems in the foundations of group theory. This module forms the prerequisite for later modules in algebra. It is recommended that students in the Faculties of Arts and Divinity take an even number of the 15-credit 2000-level MT modules.				
Pre-requisite(s):	Before taking this module you must pass MT1002. If MT1002 has not been passed, advanced higher mathematics (at grade a) or A-Level further mathematics (at grade a) or admission to a fast track mmath programme.			
Learning and teaching methods of delivery:	Weekly contact: 2.5 hours of lectures (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)			
	Scheduled learning: 35 hours		Guided independent study: 115 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%			
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework = 30%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr J D Mitchell			
Module teaching staff:	Dr J Mitchell			

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MT2506 Vector Calculus				
SCOTCAT Credits:	15	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	9.00 am Mon (even weeks), Tue and Thu			
This module introduces students to some of the fundamental techniques that are used throughout the mathematical modelling of problems arising in the physical world such as grad, div and curl as well as cylindrical and spherical coordinate systems. Fundamental theorems such as Green's Theorem, Stokes' Theorem and Gauss's Divergence Theorem will also be studied. It provides the foundation for many of the modules available in applied mathematics later in the Honours programme. It is recommended that students in the Faculties of Arts and Divinity take an even number of the 15-credit 2000-level MT modules.				
Pre-requisite(s):	Before taking this module you must pass MT2503			
Learning and teaching methods of delivery:	Weekly contact: 2.5 hours of lectures (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)			
	Scheduled learning: 35 hours		Guided independent study: 115 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 85%, Practical Examinations = 0%, Coursework = 15%			
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework (including class test 15%) = 30%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Prof D G Dritschel			
Module teaching staff:	Prof D Dritschel			

MT2507 Mathematical Modelling				
SCOTCAT Credits:	15	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	12.00 noon Mon (odd weeks), Wed and Fri			
This module provides an introduction to a variety of techniques that are used throughout applied mathematics. It discusses how to translate physical problems into mathematics and covers such topics as differential equations, dynamics, numerical methods and Fourier series. It illustrates how these are used when solving problems. It is recommended that students in the Faculties of Arts and Divinity take an even number of the 15-credit 2000-level MT modules.				
Pre-requisite(s):	Before taking this module you must pass MT2503			
Learning and teaching methods of delivery:	Weekly contact: 2.5 hours of lectures (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)			
	Scheduled learning: 35 hours		Guided independent study: 115 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%			
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework = 30%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr A L Wilmot-Smith			
Module teaching staff:	Dr A Wilmot-Smith			

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MT2508 Statistical Inference			
SCOTCAT Credits:	15	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	12.00 noon Mon (even weeks), Tue and Thu		
<p>This module provides an introduction to the mathematical models of randomness. These models are used to perform statistical analysis, where the aim is to evaluate our uncertainty on a certain quantity after observing data. Important topics in statistics are described including maximum likelihood estimation, confidence intervals and hypothesis testing, permutation tests, and linear regression. It forms a prerequisite for the statistics modules in the Honours programme. It is recommended that students in the Faculties of Arts and Divinity take an even number of the 15-credit 2000-level MT modules.</p>			
Pre-requisite(s):	Before taking this module you must pass MT2504		
Anti-requisite(s)	You cannot take this module if you take EC2003		
Learning and teaching methods of delivery:	Weekly contact: 2.5 hours of lectures (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)		
	Scheduled learning: 35 hours	Guided independent study: 115 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%		
	As used by St Andrews: 2-hour Written Examination = 70%, Coursework = 30%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Dr H Worthington		

School of Medicine

Medicine (MD) modules

MD2001 Foundations of Medicine 1			
SCOTCAT Credits:	60	SCQF Level 8	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to students enrolled in the BSc Honours Medicine programme.		
Planned timetable:	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>			
Learning and teaching methods of delivery:	Weekly contact: 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		
	Scheduled learning: 200 hours	Guided independent study: 400 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	As used by St Andrews: Module Examinations will comprise 2 written examinations totaling 75% of the module grade. Coursework will comprise a written examination totaling 25% of the module grade.		
Re-assessment pattern:	2 x 1.5-hour Written Examinations = 100%		
Module coordinator:	Dr A Hughes		

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MD2002 Foundations of Medicine 2				
SCOTCAT Credits:	60	SCQF Level 8	Semester	2
Academic year:	2018/9			
Availability restrictions:	Available only to students enrolled in the BSc Honours Medicine programme.			
Planned timetable:	To be arranged.			
<p>Foundations of Medicine 2 continues the introduction of fundamental topics into the curriculum including 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.</p>				
Learning and teaching methods of delivery:	Weekly contact: 10 lectures and 6 hours of seminars/tutorials/practicals each week. Clinical case studies, clinical and communication skills on a 2-week cycle including 2 x 2 hour sessions with volunteer patients. Up to 6 hours per week of directed self-learning.			
	Scheduled learning: 200 hours		Guided independent study: 400 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	As used by St Andrews: Module Examinations will comprise 2 written examinations totaling 75% 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 comprise a written examination totaling 25% of the module grade.			
Re-assessment pattern:	2 x 1.5-hour Written Examinations = 100%			
Module coordinator:	Dr S M Shirreffs			

MD2101 Year 1 MBChB (Graduate Entry)				
SCOTCAT Credits:	180	SCQF Level 8	Semester	Full Year
Academic year:	2018/9			
Availability restrictions:	Only available to students enrolled on the Medicine (Graduate Entry) programme.			
Planned timetable:	Lectures - Mon 11:00 - 13:00, Tues 09:00 - 13:00, Fri 09:00 - 13:00			
<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>				
Learning and teaching methods of delivery:	Weekly contact: 25 hours, including one day a week work-placed learning with Generalist Clinical Mentor			
	Scheduled learning: 750 hours		Guided independent study: 1050 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 20%, Practical Examinations = 40%, Coursework = 40%			
	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 A S O'Malley			

MD2201 The Art of the Medical Practitioner			
SCOTCAT Credits:	5	SCQF Level 8	Semester
Academic year:	2018/9		
Availability restrictions:	Available only to students on the one-semester Pre-health Study Abroad programme.		
Planned timetable:	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>			
Pre-requisite(s):	Students must be on the north american pre-health study abroad programme		
Learning and teaching methods of delivery:	Weekly contact: 3-hour practical class (x 1 week), 3-hour tutorials (x 8 weeks), 3-hours of Field work (x 1 week)		
	Scheduled learning: 30 hours	Guided independent study: 20 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 50%, Coursework = 50%		
	As used by St Andrews: Presentations = 50%, Coursework = 50%		
Re-assessment pattern:	No Re-assessment available		
Module coordinator:	Dr J A Collinson		
Module teaching staff:	Dr A Collinson		

School of Modern Languages

Arabic (AR) modules

AR1001 Arabic for Beginners 1			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	11.00 am or, if timetable clash, 12.00 noon on Mon; 11.00 am or, if timetable clash, 12.00 noon Tue - Fri, or 4.00 pm, Tue, Thu, Fri and 9.00 am Wed, or 2.00 pm, Tue, Thu, Fri and 9 am Wed		
	This module, together with AR1002, will enable students to read, write and converse in simple Modern Standard Arabic. It will cover the Arabic alphabet and writing system, and begin the study of Arabic grammar. A selection of non-literary modern Arabic texts will be read in class as the basis of language teaching, classroom drills, tests and written assignments and oral class work.		
Anti-requisite(s)	Must not be a native speaker of arabic, fluent in modern standard arabic, or have a pass at higher, a level or equivalent.		
Learning and teaching methods of delivery:	Weekly contact: 5 language classes and 1 surgery hour.		
	Scheduled learning: 50 hours	Guided independent study: 150 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40% As used by St Andrews: 2-hour Written Examination = 40%, approximately 15-minute Practical Examination = 20%, Coursework = 40%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Mr M I Whitehouse		
Module teaching staff:	Dr F Caiani, TBC, Mr M Whitehouse		

AR1002 Arabic for Beginners 2			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	11.00 am or, if timetable clash, 12.00 noon on Mon; 11.00 am or, if timetable clash, 12.00 noon Tue - Fri, or 3.00 pm Tue - Fri, or 4.00 pm, Tue, Thu, Fri and 9.00 am Wed		
	This module will complete the work of AR1001 and prepare students for AR2001. It will cover the remaining points of Arabic grammar, using a selection of representative non-literary texts. Please note that this module is not designed for native or heritage speakers of Arabic.		
Pre-requisite(s):	If not already passed you must take AR1001		
Anti-requisite(s)	The student must not be a native speaker of arabic who is fluent in modern standard arabic.		
Co-requisite(s):	If not already passed you must take AR1001		
Learning and teaching methods of delivery:	Weekly contact: 5 language classes and 1 surgery hour.		
	Scheduled learning: 55 hours	Guided independent study: 145 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40% As used by St Andrews: 2-hour Written Examination = 40%, approximately 15-minute Practical Examination = 20%, Coursework = 40%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Mr M I Whitehouse		
Module teaching staff:	Dr F Caiani, TBC, Mr M Whitehouse		

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AR2001 Intermediate Arabic 1

SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	10.00 am. If timetable clash, 2.00 pm Wed, Thu and Fri, or 4.00 pm Wed, Thu and Fri			
This module, together with AR2002, will enable students to read and write Modern Standard Arabic to intermediate level with the aid of a dictionary, and to speak in standard Arabic on appropriate topics with a limited vocabulary. Oral work and written class work will be based on a series of texts selected for their relevance to the understanding of contemporary issues and culture.				
Pre-requisite(s):	Before taking this module you must pass AR1002			
Learning and teaching methods of delivery:	Weekly contact: 5 language classes and 1 surgery hour.			
	Scheduled learning: 50 hours		Guided independent study: 150 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 40%, approximately 15-minute Practical Examination = 20%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr F Caiani			
Module teaching staff:	Dr F Caiani, TBC, Mr M Whitehouse			

AR2002 Intermediate Arabic 2

SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	10.00 am. If timetable clash, 10.00 am Wed, 2.00 pm Thu and Fri, or 4.00 pm Wed, Thu and Fri			
This module continues the work of AR2001 and prepares students for Honours modules in Arabic. In tutorials, applied language work uses passages from contemporary and modern writings, selected for their relevance to the understanding of contemporary issues, language and thought. In classes/lectures, representative literary texts provide an introduction to key themes in Arabic culture.				
Pre-requisite(s):	If not already passed you must take AR2001			
Co-requisite(s):	If not already passed you must take AR2001			
Learning and teaching methods of delivery:	Weekly contact: 5 language/text classes and 1 surgery hour.			
	Scheduled learning: 55 hours		Guided independent study: 145 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 40%, approximately 15-minute Practical Examination = 20%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr F Caiani			
Module teaching staff:	Dr F Caiani, TBC, Mr M Whitehouse			

AR2004 Introduction to Classical Arab Culture			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	9.00 am Mon, Tue and Thu		
This module aims to give an introduction to classical Arab culture by exploring the intellectual history of the Arab world and the context of its development during the early and classical period (6th-15th centuries). The course will cover subjects such as the history of the Arabian Peninsula up until Abbasid times; the Arabic language, its history, script and literature; the Qur'an, its style and content; Islamic theology and philosophy; science and knowledge in Islam; and Islamic art and architecture.			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 surgery hour		
	Scheduled learning: 30 hours		Guided independent study: 170 hours
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr O Elmaz		
Module teaching staff:	Dr O Elmaz or TBC		

Comparative Literature (CO) modules

CO1001 The Nineteenth-Century Novel				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	1.00 pm			
<p>This module introduces students to the study of Comparative Literature through nineteenth-century novels from France, Germany, Italy, Russia, Spain and the UK. All the texts will be read in English translation. The aim of the module is to introduce students to a representative and canonical range of fictional works, with focus on one literary genre - the novel - and one over-arching theme. The theme will change depending on staff availability, but for the immediate future will be 'The Novel of Adultery'. Lecturers, seminar leaders and secondary criticism will all model a variety of comparative approaches for students and promote discussion of the discipline.</p>				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures, 1 seminar, 1 optional surgery hour.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr K E Jones			
Module teaching staff:	Team taught			

CO1002 Drama in the Twentieth and Twenty-first Centuries				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	1.00 pm			
<p>This module introduces students to the study of Comparative Literature through plays written in the twentieth and twenty-first century from France, Germany, Iran, Italy, Russia, Spain, the UK and the USA. All the texts will be read in English translation. The aim of the module is to introduce students to a representative and canonical range of fictional works, with focus on one literary genre - drama - and one over-arching theme. The theme will change depending on staff availability, but for the immediate future will be 'Staging the Political'. Lecturers, seminar leaders and secondary criticism will all model a variety of comparative approaches for students and promote discussion of the discipline and potential directions for further study at sub-honours and honours degree level.</p>				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures, 1 seminar, 1 surgery hour.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr K E Jones			
Module teaching staff:	Team taught			

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CO2001 Good and Evil			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	1.00 pm		
<p>This module introduces students to set texts, both canonical and non-canonical, which address the theme of 'Good and Evil'. Read in English translation, the texts are originally written in a range of languages (drawn from Arabic, French, German, Italian, Persian, Russian, Spanish, and English), represent a number of different genres (e.g. novels, poetry, film), and span a broad historical range (typically from the thirteenth to the twenty-first century). Students will thus analyse the many ways in which 'Good' and 'Evil' have been conceived and represented in different literary traditions, genres and at different times. Targeted work on relevant comparative theories and methodologies as well as issues raised by translation will underpin the module, and will provide students with the opportunity to develop skills acquired at Level 1 of the comparative literature programme.</p>			
Pre-requisite(s):	Before taking this module you must pass CO1001 or pass CO1002		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures, 1 seminar, 1 surgery hour.		
	Scheduled learning: 40 hours	Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr E F Bond		
Module teaching staff:	Team taught		

CO2002 Journeys			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	1.00 pm		
<p>This module introduces students to set texts, both canonical and non-canonical, offering variants on the theme of 'Journeys', a topos that embraces both literal and imaginary displacements to 'real' and symbolic places and spaces alike. Read in English translation, the texts are originally written in a range of languages (drawn from Arabic, French, German, Italian, Persian, Russian, Spanish, and English), represent a number of different genres (e.g. novels, letters, film), and span a broad historical range (typically from the thirteenth to the twenty-first century). Students will thus analyse the many ways in which 'Journeys' have been conceived and represented in different literary traditions, genres and at different times. Further work on comparative theories and methodologies as well as issues raised by translation will underpin the module, and will provide students with the opportunity to reflect and build on skills acquired at earlier stages of the comparative literature programme.</p>			
Pre-requisite(s):	If not already passed you must take CO2001		
Co-requisite(s):	If not already passed you must take CO2001		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures, 1 seminar, 1 surgery hour.		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr P J Lennon		
Module teaching staff:	Team taught		

French (FR) modules

FR1001 French Language and Literature 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	9.00 am			
This module aims to bridge the gulf between school and university French studies by developing the language skills of post A-Level/Higher entrants and offering them a grounding in the literary and cultural tradition in France. In particular, it aims to ensure grammatical competence and promote comprehension and production in both written and spoken modes, and to teach the reading of French literary texts in their socio-cultural context and develop basic skills of literary criticism.				
Pre-requisite(s):	In taking this module you must have higher, advanced higher or A-Level french at grade a (or european equivalent), or international baccalaureat (6 in french at high level), or ap score of 5, or sat subject test score of 700+.			
Learning and teaching methods of delivery:	Weekly contact: 4 hours and 1 surgery hour.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 3-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr J S O Carson			

FR1002 French Language and Literature 2				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	9.00 am			
This module aims to ensure grammatical competence and promote comprehension and production in written and spoken modes, and to teach the reading of French literary texts in their socio-cultural background and develop basic skills of literary criticism, building on FR1001.				
Pre-requisite(s):	If not already passed you must take FR1001			
Co-requisite(s):	If not already passed you must take FR1001			
Learning and teaching methods of delivery:	Weekly contact: 4 hours and 1 surgery hour.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 3-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr J S O Carson			

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FR2201 Second Level French Language (1)			
SCOTCAT Credits:	10	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	To be arranged.		
This module has been designed to consolidate and extend the analytical and linguistic skills you have acquired at First level. You will understand better how the language works, how it is used and how to analyse it. You will also develop your skills in spoken, aural and written French for a variety of academic and communication purposes and in different cultural contexts. This will prepare you directly for the linguistic requirements of the year abroad as well as the analytical skills required at honours level.			
Pre-requisite(s):	Before taking this module you must pass FR1002		
Anti-requisite(s)	You cannot take this module if you take FR2021 or take FR2022 or take FR2031 or take FR2032		
Learning and teaching methods of delivery:	Weekly contact: 2 hours of seminars (x 10 weeks) and 1 surgery hour.		
	Scheduled learning: 20 hours	Guided independent study: 80 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 1.5-hour Written Examination = 60%, Coursework = 40%		
Re-assessment pattern:	1.5-hour Written Examination = 100%		
Module coordinator:	Dr M Ganofsky		
Module teaching staff:	Team taught		

FR2202 Second Level French Language (2)			
SCOTCAT Credits:	10	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	To be arranged.		
The Second level language course has been designed to consolidate and extend the analytical and linguistic skills you have acquired at First level and in FR2201. You will understand better how the language works, how it is used and how to analyse it. You will also develop your skills in spoken, aural and written French for a variety of academic and communication purposes and in different cultural contexts. This will prepare you directly for the linguistic requirements of the year abroad as well as the analytical skills required at honours level.			
Pre-requisite(s):	Before taking this module you must pass FR2201		
Anti-requisite(s)	You cannot take this module if you take FR2021 or take FR2022 or take FR2031 or take FR2032		
Learning and teaching methods of delivery:	Weekly contact: 2 hours of seminars (x 10 weeks) and 1 surgery hour.		
	Scheduled learning: 22 hours	Guided independent study: 78 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 30%, Coursework = 30%		
	As used by St Andrews: 1-hour Written Examination = 40%, Oral Examination = 30%, Coursework = 30%		
Re-assessment pattern:	1.5-hour Written Examination = 100%		
Module coordinator:	Dr M Ganofsky		
Module teaching staff:	Team taught		

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FR2203 French Civilisation: from the Middle Ages to the Age of Enlightenment

SCOTCAT Credits:	10	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	12.00 noon Wed			
This module will focus on the roots of France's culture and on the evolution of its national identity. The variety of material you will be given will help you to extend both your command of the language and your knowledge of French history and culture from the Middle Ages to the Age of Enlightenment. Both lectures and tutorials will be taught in French, and seminars will be focused on the study of textual and visual documents providing insights into the period being studied. They will provide solid foundation for content modules being offered at Honours level.				
Pre-requisite(s):	Before taking this module you must pass FR1002			
Anti-requisite(s)	You cannot take this module if you take FR2021 or take FR2022 or take FR2031 or take FR2032			
Learning and teaching methods of delivery:	Weekly contact: 1-hour lecture (x 8 weeks), 1-hour seminar (x 7 weeks) and 1 surgery hour.			
	Scheduled learning: 15 hours		Guided independent study: 85 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 90-minute Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	1-hour Written Examination = 100%			
Module coordinator:	Dr J S O Carson			
Module teaching staff:	Team taught			

FR2204 French Civilisation: from the Nineteenth to the Twenty-first Century

SCOTCAT Credits:	10	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	12.00 noon Wed			
This module will focus on the development of France's culture and on the evolution of its national identity since the French Revolution of 1789. The variety of material you will be given will help you to extend both your command of the language and your knowledge of French history and culture in the modern period. Both lectures and seminars will be taught in French, and seminars will be focused on the study of textual and visual documents providing insights into the topics studied. It will provide solid foundation for content modules being offered at Honours level.				
Pre-requisite(s):	Before taking this module you must pass FR2201			
Anti-requisite(s)	You cannot take this module if you take FR2021 or take FR2022 or take FR2031 or take FR2032			
Learning and teaching methods of delivery:	Weekly contact: 1-hour lecture (x 8 weeks), 1-hour seminar (x 7 weeks) and 1 surgery hour.			
	Scheduled learning: 15 hours		Guided independent study: 85 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	1-hour Written Examination = 100%			
Module coordinator:	Dr G P Bowd			
Module teaching staff:	Team taught			

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FR2205 French Literature: from the Middle Ages to the Age of Enlightenment

SCOTCAT Credits:	10	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	12.00 noon Tue			
This module will focus on the roots of France's literature and its evolution through the medieval and early modern periods. This module aims at giving you a sample of French writing through a focus on major authors of the past. In the texts to be studied for this module, you will find many human problems and foibles explored within different conventions and contexts, whilst also focusing on the development of a national literature. Both lectures and seminars will be taught in French. They will provide solid foundation for content modules being offered at Honours level.				
Pre-requisite(s):	Before taking this module you must pass FR1002			
Anti-requisite(s)	You cannot take this module if you take FR2021 or take FR2022 or take FR2031 or take FR2032			
Learning and teaching methods of delivery:	Weekly contact: 1-hour lecture (x 9 weeks), 1-hour seminar (x 8 weeks) and 1 surgery hour.			
	Scheduled learning: 17 hours		Guided independent study: 83 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	1-hour Written Examination = 100%			
Module coordinator:	Dr V C Turner			
Module teaching staff:	Team taught			

FR2206 French Literature: from the Nineteenth to the Twenty-first Century

SCOTCAT Credits:	10	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	12.00 noon Tue			
This module will focus on the development of French literature since the French Revolution of 1789 to the present day. This module aims at giving you a sample of modern French writing through a focus on major authors. In the texts to be studied for this module, you will find many human problems and foibles explored within different conventions and contexts. Both lectures and seminars will be taught in French. They will provide solid foundation for content modules being offered at Honours level.				
Pre-requisite(s):	Before taking this module you must pass FR2201			
Anti-requisite(s)	You cannot take this module if you take FR2021 or take FR2022 or take FR2031 or take FR2032			
Learning and teaching methods of delivery:	Weekly contact: 1-hour lecture (x 9 weeks), 1-hour seminar (x 6 weeks) and 1 surgery hour.			
	Scheduled learning: 15 hours		Guided independent study: 85 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	1-hour Written Examination = 100%			
Module coordinator:	Dr E S M Hugueny-Leger			
Module teaching staff:	Team taught			

German (GM) modules

GM1001 First Level German A 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	3.00 pm			
This module lays the foundation for the study of German at university. In oral, writing and grammar classes, you will develop both communicative skill and your knowledge of German grammar. In weekly lectures and tutorials, you begin a survey of German speaking literature and culture. This semester covers German literature and culture from the post-war period after 1945, with the emergence of the divided German state, until the tumultuous events of re-unification in 1989.				
Pre-requisite(s):	In taking this module you must have higher or A-Level german or equivalent			
Learning and teaching methods of delivery:	Weekly contact: 1 lecture, 1 seminar, 2 language classes, CALL classroom work and 1 surgery hour.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Ms K L Mericka			
Module teaching staff:	Team taught			

GM1002 First Level German A 2				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	3.00 pm			
This module builds on the foundation study of German language and literature in Module GM1001. Language classes will further develop speaking, reading and writing skills and grammatical competence, using materials which cover aspects of contemporary German society and culture. Lectures and tutorials cover the period from 1989 to the present day, examining the emergence of contemporary German literature and culture in a range of genres.				
Pre-requisite(s):	If not already passed you must take GM1001			
Co-requisite(s):	If not already passed you must take GM1001			
Learning and teaching methods of delivery:	Weekly contact: 1 lecture, 1 seminar, 2 language classes, CALL classroom work and 1 surgery hour.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	Team taught			

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GM1003 First Level German B 1

SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	4.00 pm			
<p>The module provides the first half of an intensive language programme for beginners and those with Standard Grade or GCSE German. Students taking the module are strongly advised to proceed to module GM1004 in the second semester. Completion of the two modules can provide a one-year foundation for those students looking for an ancillary language skill, or it can lead to entry into the Second Level German course and subsequently to an Honours degree in German. The emphasis will be primarily on the acquisition of competence in the German language, both written and spoken, and activities in class will combine the teaching of grammar with the development of communicative competence and written skills.</p>				
Pre-requisite(s):	The student must not have a pass at higher, A-Level or equivalent nor must they be a native german speaker			
Anti-requisite(s)	In taking this module you must not have higher or A-Level german or equivalent or be a native speaker of german.			
Learning and teaching methods of delivery:	Weekly contact: 4 language classes and 1 surgery hour.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Ms I Hartung			
Module teaching staff:	Team taught			

GM1004 First Level German B 2

SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	4.00 pm			
<p>The module represents the second half of the intensive language courses for beginners and those with intermediate qualifications. Completion of this module and Module GM1003 can provide a one-year foundation for those seeking an ancillary language skill, or lead to entry into the Second Level German class and subsequently to an Honours degree in German. The module builds on the work done in Module GM1003. Students complete the second half of a one-year course in modern German and continue to develop their linguistic skills, both written and oral. There is at this stage also some study of selected German literary texts. Please note that this module is not designed for native or heritage speakers of German.</p>				
Pre-requisite(s):	If not already passed you must take GM1003			
Co-requisite(s):	If not already passed you must take GM1003			
Learning and teaching methods of delivery:	Weekly contact: 4 classes and 1 surgery hour.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Ms K L Mericka			
Module teaching staff:	Team taught			

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GM2003 Second Level Advanced German Language 1				
SCOTCAT Credits:	10	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	To be arranged.			
This module builds on the language component of modules GM1001 and GM1002 for students who had A-level/Highers/equivalent German when they started their degree. It provides practice in writing skills and the extension of students' knowledge of grammar. Language classes also develop competence in listening and speaking and extend students' awareness of contemporary German.				
Pre-requisite(s):	Before taking this module you must pass GM1002			
Anti-requisite(s)	You cannot take this module if you take GM2007			
Learning and teaching methods of delivery:	Weekly contact: 2 language classes and 1 optional surgery hour.			
	Scheduled learning: 20 hours		Guided independent study: 80 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module teaching staff:	Team taught			

GM2004 Second Level Advanced German Language 2				
SCOTCAT Credits:	10	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	9.00 am Mon and to be arranged.			
This module aims to enhance further students' skills in written and spoken German and their knowledge of contemporary German, preparing them for any time to be spent studying or working in a German-speaking country.				
Pre-requisite(s):	If not already passed you must take GM2003			
Anti-requisite(s)	You cannot take this module if you take GM2008			
Co-requisite(s):	If not already passed you must take GM2003			
Learning and teaching methods of delivery:	Weekly contact: 2 hours and 1 surgery hour.			
	Scheduled learning: 22 hours		Guided independent study: 78 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module teaching staff:	Team taught			

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GM2007 Second Level Ex-Beginners German Language 1				
SCOTCAT Credits:	10	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	To be arranged.			
This module is designed to provide intensive language study for students who have completed the first level beginners/near beginners modules GM1003 and GM1004. It aims to develop language competence through written and spoken language classes, with reading and oral and written discussion of texts, writing exercises, including essays and letters, practice in speaking and listening, and revision of aspects of grammar.				
Pre-requisite(s):	Before taking this module you must pass GM1004			
Anti-requisite(s)	You cannot take this module if you take GM2003			
Learning and teaching methods of delivery:	Weekly contact: 3 hours and 1 surgery hour.			
	Scheduled learning: 33 hours		Guided independent study: 67 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	hour Written Examination = 100%			
Module coordinator:	Ms K L Mericka			
Module teaching staff:	Team taught			

GM2008 Second Level Ex-Beginners German Language 2				
SCOTCAT Credits:	10	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	To be arranged.			
Building on module GM2007, the module aims to provide further intensive language study for students who took the First Level Beginners modules. It continues to develop reading, analytical, writing, listening and speaking skills and grammatical competence.				
Pre-requisite(s):	If not already passed you must take GM2007			
Anti-requisite(s)	You cannot take this module if you take GM2004			
Co-requisite(s):	If not already passed you must take GM2007			
Learning and teaching methods of delivery:	Weekly contact: 3 hours and 1 surgery hour.			
	Scheduled learning: 33 hours		Guided independent study: 67 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	hour Written Examination = 100%			
Module teaching staff:	Team taught			

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GM2011 The Age of Goethe				
SCOTCAT Credits:	10	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	9.00 am Mon.			
The lifespan of Germany's greatest poet, Goethe (1749-1832) is simultaneously one of the most eventful and productive in its cultural history: it sees the rise of modern German literature in figures like Lessing, Goethe, Schiller, Kleist, Hölderlin, and the Romantic poets, while in philosophy, Kant, Fichte and Hegel dominate the world of ideas. These revolutions in thought are mirrored in significant revolutions and developments in history: the rise of Prussia and the impact of the French Revolution. The module introduces students to the period: lectures provide the literary and cultural background, while tutorials concentrate on significant and representative works.				
Pre-requisite(s):	Before taking this module you must pass GM1002 or pass GM1004			
Learning and teaching methods of delivery:	Weekly contact: 1 lecture (x10 weeks), 1 tutorial (x10 weeks)			
	Scheduled learning: 20 hours		Guided independent study: 80 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr M J White			
Module teaching staff:	Team taught			

GM2012 Unification to the First World War				
SCOTCAT Credits:	10	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	To be arranged.			
This module traces the literary and cultural history of Germany in the nineteenth century during the rise and fall of the Second Empire. After the failure of the 1848 revolution in Germany and Austria-Hungary, the period sees the military unification of Germany by Prussia, creating the first modern German state in 1871, and its subsequent demise in the First World War. Culturally, the period produces great variety: the subtle narratives of the Realists find their counterpoint in the bold music dramas of Wagner and the prophetic iconoclast Friedrich Nietzsche, and while the Naturalists seek uncompromising reality, a generation of poets around 1900 revel in decadent beauty.				
Pre-requisite(s):	Before taking this module you must pass GM1002 or pass GM1004			
Learning and teaching methods of delivery:	Weekly contact: 1 lecture (x 11 weeks), 1 tutorial (x 11 weeks)			
	Scheduled learning: 22 hours		Guided independent study: 83 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr A T Cusack			
Module teaching staff:	Team taught			

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GM2013 Mediaeval German Language and Literature				
SCOTCAT Credits:	10	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	9.00 am Wed			
The module introduces students to Middle High German language and literature. Students will learn to read the mediaeval form of the language. They will also gain an overview of the flourishing German literature of the Middle Ages in its rich cultural context of chivalry, heroism and Christianity, focussing on key texts.				
Pre-requisite(s):	Before taking this module you must pass GM1002 or pass GM1004			
Learning and teaching methods of delivery:	Weekly contact: 1 lecture (x 10 weeks), 1 tutorial (x 10 weeks), optional surgery hours			
	Scheduled learning: 20 hours		Guided independent study: 81 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	1-hour Written Examination = 100%			
Module coordinator:	Prof B M E Bildhauer			
Module teaching staff:	Prof B Bildhauer			

GM2014 German Linguistics				
SCOTCAT Credits:	10	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	9.00 am Tue			
The module builds on students' familiarity with pedagogical grammar to introduce them to theoretical linguistics as applied to modern German. Students will encounter the 'levels' of language, e.g. phonetics and phonology, including the International Phonetic Alphabet; syntax, both as word order and how words combine with each other; lexis, the structure of German vocabulary; semantics, the study of meaning and its relation to form; pragmatics, the study of language use.				
Pre-requisite(s):	Before taking this module you must pass GM1002 or pass GM1004			
Learning and teaching methods of delivery:	Weekly contact: 1 lecture (x 10 weeks), 1 tutorial (x 10 weeks)			
	Scheduled learning: 20 hours		Guided independent study: 78 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 1-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr C Beedham			

Italian (IT) modules

IT1001 Introduction to Italian Language				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	Fortnightly lectures 10.00 am Mon (beginning week 2) plus language classes normally meeting at 10.00 am or 11.00 am, or 12.00 noon Mon-Fri			
This module is the normal entry point which leads to Honours Italian for beginners in Italian. It is designed for students with no prior experience of Italian and does not assume any knowledge of the language. The course is intensive and proceeds quickly. It concentrates on grammar and usage through reading, writing, listening and speaking. Computer Assisted Language Learning (CALL) materials are also used to supplement classes and assessments. Please note that this module is not designed for native speakers of Italian.				
Pre-requisite(s):	The student must not have a pass at higher, A-Level or equivalent in Italian nor must they be a native Italian speaker			
Anti-requisite(s)	Student should not be a native speaker of Italian or have a pass at higher, A-Level or equivalent			
Learning and teaching methods of delivery:	Weekly contact: 3-4 language classes, surgery hour (x 10 weeks) and 1 x 1-hour lecture/seminar on aspects of Italian history and culture per fortnight.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Miss S Triggiano			
Module teaching staff:	Dr Natalia Ferri, Ms S Triggiano			

IT1002 Italian Language (Elementary)				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	Fortnightly lectures 10.00 am Mon (beginning week 2) plus language classes/culture seminar normally meeting at 10.00 am or 11.00 am, or 12.00 noon Mon - Thu			
The module builds on Module IT1001 and continues its basic aims by increasing the students' knowledge of and ability to use Italian. In this module one hour per week is dedicated to oral practice and students will be introduced to aspects of Italian culture. Please note that this module is not designed for native speakers of Italian.				
Pre-requisite(s):	If IT1001 has not been passed, higher or A-Level Italian or equivalent is required			
Learning and teaching methods of delivery:	Weekly contact: 1 oral class, 2 language classes, 1 culture lecture/seminar, and 1 surgery hour (x 10 weeks).			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 40%, Practical Examination = 20%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Miss S Triggiano			
Module teaching staff:	Italian Department staff and Italian Language Tutors			

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IT1003 Italian Language Intermediate 1				
SCOTCAT Credits:	10	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	By arrangement - normally 3.00 pm			
This module and its co-requisite provide a thorough and consistently structured revision of grammar and a consolidation of speaking, reading, writing skills through formal grammar classes, practical oral language classes. Please note that this module is not designed for native speakers of Italian.				
Pre-requisite(s):	In taking this module you must have higher or A-Level Italian or equivalent. (a pass mark in an additional departmental entrance test would allow access also to students with a slightly lower qualification, e. G. Gcse.)			
Co-requisite(s):	You must also take IT1013			
Learning and teaching methods of delivery:	Weekly contact: 3 classes and 1 surgery hour.			
	Scheduled learning: 30 hours		Guided independent study: 70 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 20%, Coursework = 80%			
	As used by St Andrews: Coursework = 100% (20% Oral test, 80% Continuous assessment)			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Miss S Triggiano			
Module teaching staff:	Ms Stefania Triggiano			

IT1004 Italian Language Intermediate 2				
SCOTCAT Credits:	10	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	By arrangement			
Building on IT1003, this module and its co-requisite provide a thorough revision of grammar and a consolidation of speaking, reading and writing skills through formal grammar classes and practical oral language classes. Please note that this module is not designed for native speakers of Italian.				
Pre-requisite(s):	If not already passed you must take IT1003			
Co-requisite(s):	You must also take IT1014. If not already passed you must take IT1003			
Learning and teaching methods of delivery:	Weekly contact: 3 classes and 1 surgery hour			
	Scheduled learning: 33 hours		Guided independent study: 67 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 10%, Coursework = 30%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40% (10% Oral test, 30% Continuous assessment)			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Miss S Triggiano			
Module teaching staff:	S Triggiano			

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IT1013 Italian Geographies

SCOTCAT Credits:	10	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	Fortnightly lectures 10.00 am Mon (beginning week 2); other classes to be arranged.			
This module aims to give students some sense of the complexity of modern Italy through the study of particular cultural phenomena which have played an important role in national identity formation. The module will look at a range of different texts which explore key moments in twentieth century Italian culture. Students will gain a good understanding of the events and how Italian culture has chosen to make sense of them in different media.				
Co-requisite(s):	You must also take IT1003 or take IT2001			
Learning and teaching methods of delivery:	Weekly contact: 2 classes and 1 surgery hour.			
	Scheduled learning: 20 hours		Guided independent study: 80 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	Written Coursework = 100%			
Module coordinator:	Prof D E Duncan			
Module teaching staff:	Prof Derek Duncan			

IT1014 Italian Histories

SCOTCAT Credits:	10	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	To be arranged.			
This module will give students a sense of the complexity of Italy's past through the study of literary texts from different historical periods considered in their different contexts.				
Co-requisite(s):	You must also take IT1004 or take IT2002			
Learning and teaching methods of delivery:	Weekly contact: 2 classes and 1 surgery hour.			
	Scheduled learning: 22 hours		Guided independent study: 78 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	Written Coursework = 100%			
Module coordinator:	Dr E F Bond			
Module teaching staff:	TBC			

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IT2001 Second Level Italian			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	5.00 pm Tue lecture. Seminar class and language classes to be arranged.		
This Second Level Italian module aims at further developing the language skills acquired in First level Italian modules, and at enabling students to achieve an intermediate level in reading, writing, listening and speaking in Italian. The module also introduces students to diverse elements of Italian culture (film and literature) and language used in different periods.			
Pre-requisite(s):	Before taking this module you must pass IT1002 or pass IT1004		
Learning and teaching methods of delivery:	Weekly contact: 3 language classes, 1 culture lecture, 1 culture seminar and 1 surgery hour.		
	Scheduled learning: 50 hours	Guided independent study: 150 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 15%, Coursework = 85%		
	As used by St Andrews: Coursework = 100% (15% Oral test, 85% culture essays and language work)		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Prof D E Duncan		

IT2002 Second Level Italian (Advanced)			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	5.00 pm Tue lecture. Seminar class and language classes to be arranged.		
This module offers an intermediate language course for students who have passed IT 2001. It is designed to (1) further consolidate students' knowledge of Italian grammar, idiom and vocabulary, (2) refine their language skills and (3) develop their communication skills both oral and written through a graded oral programme related to Italian history and culture. Students will continue their study of mediaeval and modern Italian culture.			
Pre-requisite(s):	If not already passed you must take IT2001		
Co-requisite(s):	If not already passed you must take IT2001		
Learning and teaching methods of delivery:	Weekly contact: 3 language classes, 1 culture lecture, 1 culture seminar and 1 surgery hour.		
	Scheduled learning: 55 hours	Guided independent study: 145 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 35%, Practical Examinations = 15%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 35%, Coursework = 65% (40% essays and 25% language work)		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr R P Wilson		
Module teaching staff:	TBC		

Persian (PR) modules

PR1001 Persian for Beginners 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon to Fri			
This is a beginner's level language module, which teaches the skills of reception (reading and listening) and production (speaking and writing) in Persian. The aim is to familiarise students with the spoken and written forms of Persian, to enable them to express themselves in writing, role-play and basic dialogues, and to begin to read basic authentic texts. Please note that this module is not designed for native or heritage speakers of Persian.				
Anti-requisite(s)	In taking this module you must not have higher or A-Level persian or equivalent or be a native speaker of persian			
Learning and teaching methods of delivery:	Weekly contact: 5 language classes and 1 surgery hour.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 40%, approximately 15-minute Oral Examination = 20%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	Dr M Ghorbankarimi			

PR1002 Persian for Beginners 2				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon to Fri			
This module is a continuation of PR1001, developing reception skills (reading and listening), and language production (speaking and writing) in Persian. It also provides an introduction to elementary translation between Persian and English. Please note that this module is not designed for native or heritage speakers of Persian.				
Pre-requisite(s):	If not already passed you must take PR1001			
Co-requisite(s):	If not already passed you must take PR1001			
Learning and teaching methods of delivery:	Weekly contact: 5 language classes and 1 surgery hour.			
	Scheduled learning: 55 hours		Guided independent study: 145 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 40%, approximately 15-minute Oral Examination = 20%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	Dr M Ghorbankarimi			

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PR2001 Intermediate Persian 1			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	1.00 pm Mon to Fri		
<p>This is the first of the two intermediate level Persian modules. Students will develop skills to read more sophisticated texts written in the target language and translate them into English. They will also consolidate their understanding of Persian grammar and learn how to use it in reading, listening, speaking and writing. They will be introduced to vocabulary from a wider range of topics and will be able to hold longer conversations about those topics. They will be exposed to some basic classical Persian literature. By the end of the module the students are expected to be competent in: a) Conversation at an intermediate level on a variety of topics (modern events and Iranian culture); b) The discussion of a range of general topics and c) Reading and translating modern standard Persian texts from newspapers, short stories, etc.</p>			
Pre-requisite(s):	Before taking this module you must pass PR1002		
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 1 surgery hour.		
	Scheduled learning: 50 hours	Guided independent study: 150 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%		
	As used by St Andrews: 2-hour Written Examination = 40%, approximately 15-minute Oral Examination = 20%, Coursework = 40%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module teaching staff:	Dr M Ghorbankarimi		

PR2002 Intermediate Persian 2			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	1.00 pm Mon to Fri		
<p>This is the second of two intermediate level Persian modules. In tutorials, applied language work uses passages from contemporary and modern writings, selected for their relevance to the understanding of contemporary issues, language and thought. In classes/lectures, representative literary texts provide insights into key themes in Iranian culture. By the end of the module the students are expected to be competent in: a) Reading and translating newspapers on contemporary topics. b) Conversing and engaging in discussion about contemporary topics related to the Middle Eastern and Iranian culture.</p>			
Pre-requisite(s):	If not already passed you must take PR2001		
Co-requisite(s):	If not already passed you must take PR2001		
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 1 surgery hour.		
	Scheduled learning: 55 hours	Guided independent study: 145 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%		
	As used by St Andrews: 2-hour Written Examination = 40%, approximately 15-minute Oral Examination = 20%, Coursework = 40%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module teaching staff:	Dr M Ghorbankarimi		

Russian (RU) modules

RU1001 Elementary Russian Language 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	11.00 am plus 1 oral hour to be arranged.			
The module, aimed at beginners, provides the most basic elements of Russian (alphabet, vocabulary, grammar, pronunciation). The module begins with the Cyrillic alphabet and the rules of spelling and pronunciation. The main grammatical areas covered are the nominal declensions (nouns, adjective, pronouns), use of cases, and the verbal conjugations, and present and past tenses. Oral tuition with a native language tutor is provided. Please note that this module is not designed for native or heritage speakers of Russian.				
Pre-requisite(s):	In taking this module you must not have higher or A-Level russian or equivalent or be a native speaker of russian.			
Anti-requisite(s)	You cannot take this module if you take RU1005			
Learning and teaching methods of delivery:	Weekly contact: 1 lecture, 3 language classes and 1 surgery hour.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 15%, Coursework = 25% As used by St Andrews: 2-hour Written Examination = 60%, Practical Test = 15%, Coursework = 25%			
Re-assessment pattern:	3-hour Written Examination = 100%			

RU1002 Elementary Russian Language 2				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	11.00 am plus 1 oral hour to be arranged.			
The module builds on RU1001, and on completion will have provided a competence in Russian grammar sufficient for reading Russian texts (books, newspapers etc) with the aid of a dictionary. Further important areas of Russian grammar are covered, including plural and adjectival declensions, future tenses, verbal aspects and verbs of motion. Oral tuition is continued. Please note that this module is not designed for native or heritage speakers of Russian.				
Pre-requisite(s):	If not already passed you must take RU1001			
Anti-requisite(s)	You cannot take this module if you take RU1006			
Co-requisite(s):	If not already passed you must take RU1001			
Learning and teaching methods of delivery:	Weekly contact: 1 lecture, 3 language classes and 1 surgery hour.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 15%, Coursework = 25% As used by St Andrews: 2-hour Written Examination = 60%, Practical Test = 15%, Coursework = 25%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	TBC			

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RU1005 Advanced Elementary Russian Language and Literature 1

SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	4.00 pm plus 1 hour to be arranged.			
The module reinforces and builds on the knowledge of grammar and vocabulary acquired at school and tests it through a system of regular translations from and into Russian and short written quizzes. Literary texts are studied in Russian, and two literary essays in English are required. Oral tuition is given in small-group classes with a native language instructor. Please note that this module is not designed for native or heritage speakers of Russian.				
Pre-requisite(s):	Students must have higher russian or its equivalent.			
Anti-requisite(s)	You cannot take this module if you take RU1001			
Learning and teaching methods of delivery:	Weekly contact: 3 language classes, 1 oral class and 1 surgery hour.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 10%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 40%, Practical Test = 10%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			

RU1006 Advanced Elementary Russian Language and Literature 2

SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	4.00 pm plus 1 hour to be arranged.			
The module builds on the level of achievement reached in RU1005. It has elements of grammar, translation, text analysis, study of literature, for which two essays in English are required, and oral tuition classes with a native language instructor. Please note that this module is not designed for native or heritage speakers of Russian.				
Pre-requisite(s):	If not already passed you must take RU1005			
Anti-requisite(s)	You cannot take this module if you take RU1002			
Co-requisite(s):	If not already passed you must take RU1005			
Learning and teaching methods of delivery:	Weekly contact: 3 language classes, 1 oral class and 1 surgery hour.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 10%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 40%, Practical Test = 10%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			

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RU2100 Intermediate Russian (Summer Course)

SCOTCAT Credits:	40	SCQF Level 8	Semester	Full Year
Academic year:	2018/9			
Planned timetable:	20 hours per week for 8 weeks.			
This module is an intensive six-week Russian language and culture course in Russia which brings the student's proficiency in Russian up to a level equivalent to that reached by students passing RU2002 or RU2004 at the appropriate level (Grade 11). Twenty hours of classes per week in conversation, grammar, vocabulary, translation, and Russian cultural background. Students live with families where little if any English is spoken, thus enhancing their immersion in the Russian language. It is available only to students who are unable to take Level 2 Russian modules as part of their sub-Honours course in Semesters 1 and 2 of their second year of study.				
Pre-requisite(s):	Before taking this module you must pass RU1002 or RU1006			
Anti-requisite(s)	You cannot take this module if you take 1 module from any levels matching ru2			
Learning and teaching methods of delivery:	Weekly contact: Lectures and practical classes.			
	Scheduled learning: 160 hours		Guided independent study: 240 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 30%, Practical Examinations = 20%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 30%, Oral Examination = 20%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			

RU2201 Intermediate Russian Language 1

SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	3.00 pm plus 1 oral hour to be arranged.			
This module (followed by RU2202 in Semester 2) is the language track at second level for students who took the beginners' modules (RU1001 and RU1002) at first level. The most important elements of Russian grammar taught in the first year are reinforced in this course, with further points of grammar and syntax. Students will translate passages from English to Russian and develop comprehension skills in response to contemporary audio-visual and online material. Material for translation from Russian to English engages with key historical and cultural events. Spoken Russian is improved through small-group oral tuition classes with a native language instructor.				
Pre-requisite(s):	Before taking this module you must pass RU1002			
Anti-requisite(s)	You cannot take this module if you take RU2203 or take RU2100			
Co-requisite(s):	You must also take RU2202			
Learning and teaching methods of delivery:	Weekly contact: 3 classes plus 1 oral hour and 1 surgery hour.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 10%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 40%, Practical Test = 10%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			

RU2202 Intermediate Russian Language 2

SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	10.00 am plus 1 oral hour to be arranged.			
This module follows RU2201. It is the language track at second level for students who took the beginners' modules (RU1001 and RU1002) at first level. The most important elements of Russian grammar taught in the first year and RU2201 are reinforced in this course, with further points of grammar and syntax. Students will translate passages from English to Russian and develop comprehension skills in response to contemporary audio-visual and online material. Material for translation from Russian to English engages with key historical and cultural events. Spoken Russian is improved through small-group oral tuition classes with a native language instructor.				
Anti-requisite(s)	You cannot take this module if you take RU2204 or take RU2002 or take RU2006			
Co-requisite(s):	You must also take RU2201			
Learning and teaching methods of delivery:	Weekly contact: 3 classes plus 1 oral hour and 1 surgery hour.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 10%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Exam = 40%, Coursework = 60%			
Re-assessment pattern:	3-hour Written Examination = 100%			

RU2203 Advanced Intermediate Russian Language 1

SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	3.00 pm plus 1 oral hour to be arranged.			
This module (followed by RU2204 in Semester 2) is the language track at second level for students who took the advanced' modules (RU1005 and RU1006) at first level. The most important elements of Russian grammar revised in the first year are reinforced in this course, with further points of grammar and syntax. Students will translate passages from English to Russian and develop comprehension skills in response to contemporary audio-visual and online material. Material for translation from Russian to English engages with key historical and cultural events. Spoken Russian is improved through small-group oral tuition classes with a native language instructor.				
Pre-requisite(s):	Before taking this module you must pass RU1006			
Anti-requisite(s)	You cannot take this module if you take RU2201			
Co-requisite(s):	You must also take RU2204			
Learning and teaching methods of delivery:	Weekly contact: 3 classes plus 1 oral hour and 1 surgery hour.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 10%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Exam = 40%, Coursework = 60%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr E Finer			

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RU2204 Advanced Intermediate Russian Language 2

SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	3.00 pm plus 1 oral hour to be arranged.			
This module follows RU2203. It is the language track at second level for students who took the advanced' modules (RU1005 and RU1006) at first level. The most important elements of Russian grammar revised in RU2203 are reinforced in this course and further points of grammar and syntax are introduced. Students will translate passages from English to Russian and develop comprehension skills in response to contemporary audio-visual and online material. Material for translation from Russian to English engages with key historical and cultural events. Spoken Russian is improved through small-group oral tuition classes with a native language instructor.				
Pre-requisite(s):	Before taking this module you must pass RU1005			
Anti-requisite(s)	You cannot take this module if you take RU2202			
Co-requisite(s):	You must also take RU2203			
Learning and teaching methods of delivery:	Weekly contact: 3 classes plus 1 oral hour and 1 surgery hour.			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 10%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 40%, Practical Test = 10%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			

RU2205 Intermediate Russian Literature and Culture 1

SCOTCAT Credits:	10	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	To be confirmed			
The module introduces students to three works of pre-twentieth-century literature and culture to be read in Russian, while improving reading and comprehension skills. It will include a combination of canonical and non-canonical texts by women and men, and explore the cultural and institutional contexts in which texts were produced, published, read, or viewed. Students will share impressions through class and online discussions, and informal presentations. This module will prepare students for Honours content modules where longer and more complex texts are read in Russian. While optional, students intending to pursue single or joint honours including Russian are encouraged to take this module.				
Pre-requisite(s):	Before taking this module you must pass RU1002 or pass RU1006			
Learning and teaching methods of delivery:	Weekly contact: 1 class per week and 1 surgery hour.			
	Scheduled learning: 10 hours		Guided independent study: 90 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr E Finer			

RU2206 Intermediate Russian Literature and Culture 2			
SCOTCAT Credits:	10	SCQF Level 8	Semester
Academic year:	2018/9		
Planned timetable:	To be confirmed		
<p>The module introduces students to three works of twentieth-century literature and culture to be read in Russian, while improving reading and comprehension skills. It will include a combination of canonical and non-canonical texts by men and women, and explore the cultural and institutional contexts in which texts were produced, published, viewed, and read. Students will share impressions through class and online discussions, and informal presentations. This module will prepare students for Honours content modules where longer and more complex texts are read in Russian. While optional, students intending to pursue single or joint honours including Russian will be encouraged to take this module.</p>			
Pre-requisite(s):	Before taking this module you must pass RU1002 or pass RU1006		
Learning and teaching methods of delivery:	Weekly contact: 1 class per week and 1 surgery hour.		
	Scheduled learning: 11 hours	Guided independent study: 89 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module teaching staff:	Dr Emily Finer		

Spanish (SP) modules

SP1001 Spanish Language and Texts 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to First Year students.			
Planned timetable:	12.00 noon			
The language part of the module promotes the four skills of reading, writing, listening and speaking. There is formal grammar instruction and a programme of participative classroom activities, grammar instruction and self-access material. The texts component is designed to provide language in context and to widen the students experience of Spanish and Spanish American life and culture through selected writing and film.				
Pre-requisite(s):	In taking this module you must have higher or A-Level spanish or equivalent and you must be a first year student.			
Anti-requisite(s)	You cannot take this module if you take SP1003			
Learning and teaching methods of delivery:	Weekly contact: 3 language classes, 1 lecture and 1 surgery hour (x 10 weeks), 1 seminar (x 8 weeks).			
	Scheduled learning: 48 hours		Guided independent study: 152 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Prof J Larios			

SP1002 Spanish Language and Texts 2				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	12.00 noon			
This module advances the four skills developed in SP1001. A language coursebook introduces a higher level of linguistic difficulty through a series of exercises, participative classwork, grammar instruction and self-access work. The literary texts represent contemporary and earlier Spanish as well as Spanish American writing, chosen for linguistic enrichment and cultural significance. The module aims at a level of attainment sufficient to enable the student to enter confidently the 2000-level modules.				
Pre-requisite(s):	If not already passed you must take SP1001			
Anti-requisite(s)	You cannot take this module if you take SP1004			
Co-requisite(s):	If not already passed you must take SP1001			
Learning and teaching methods of delivery:	Weekly contact: 3 language classes, 1 lecture and 1 surgery hour (x 11 weeks), 1 seminar (x 8 weeks).			
	Scheduled learning: 52 hours		Guided independent study: 148 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Prof J Larios			

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SP1003 Spanish for Beginners 1

SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to First Year students.			
Planned timetable:	2.00 pm or, if timetable clash, 3.00 pm.			
Intensive ab initio language: The objective is to initiate Spanish language acquisition with a firm grounding in the syntax, morphology and vocabulary of the language. The skills developed are accuracy and fluency in reading, writing, listening and speaking. In classes, students are taught and practise new structures. In the computer classroom these skills are further enhanced through the individual use of self-access materials.				
Pre-requisite(s):	In taking this module you must be a first year student.			
Anti-requisite(s)	Students must not have higher or A-Level spanish or equivalent or be a native speaker of spanish.			
Learning and teaching methods of delivery:	Weekly contact: 4 language classes and 1 surgery hour. (x 10 weeks)			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr T L L Bergman			

SP1004 Spanish for Beginners 2

SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	2.00 pm or, if timetable clash, 3.00 pm.			
There are three classes of language instruction per week to continue intensive language initiation and a self-access CALL program and video materials to consolidate language acquisition and instil accuracy of expression. There are also ten class hours and eight seminars devoted to Hispanic film and literature, chosen for their linguistic and cultural interest. Vocabulary and familiarisation with aspects of the Hispanic world are enhanced. A sound basis in the grammar of Spanish in this module facilitates entry into 2000-level modules in Spanish.				
Pre-requisite(s):	If not already passed you must take SP1003			
Anti-requisite(s)	You cannot take this module if you take SP1002			
Co-requisite(s):	If not already passed you must take SP1003			
Learning and teaching methods of delivery:	Weekly contact: 3 language classes and 1 surgery hour (x 11 weeks), 1 lecture (x 11 weeks) and 1 seminar (x 8 weeks).			
	Scheduled learning: 52 hours		Guided independent study: 148 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr T L L Bergman			

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SP2001 Spanish Language and Critical Approaches to Texts 1				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	11.00 am			
In language the four skills of reading, listening, speaking and writing are developed through prepared work and class activities. Language material will reflect cultural aspects of the Spanish-speaking world. The module maintains progress from SP1002; there is a learning gradient. In texts, major critical approaches are studied with reference to the genres of poetry, prose and drama and applied to the critical analysis of specific examples of each from the sixteenth century to the twenty-first, drawn from Spain and Spanish America.				
Pre-requisite(s):	Before taking this module you must pass SP1002			
Anti-requisite(s)	You cannot take this module if you take SP2005			
Co-requisite(s):	Joint and single honours students must also select SP2006			
Learning and teaching methods of delivery:	Weekly contact: 2 language classes and 1 surgery hour (x 10 weeks), 1 lecture (x 10 weeks), 1 seminar (x 8 weeks).			
	Scheduled learning: 38 hours		Guided independent study: 162 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr K Anipa			

SP2002 Spanish Language and Critical Approaches to Texts 2				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	11.00 am			
The language part of the module consists of two class hours each week, developing the skills of reading, listening, speaking and writing. Language material will reflect cultural aspects of the Spanish-speaking world. The module maintains progress from SP2001 and SP2005; there is a learning gradient. Literary texts are studied in the context of regions and epochs including Middle Ages and Renaissance in Spain and modern Spanish America.				
Pre-requisite(s):	If not already passed you must take SP2001 or take SP2005			
Co-requisite(s):	If not already passed you must take SP2001 or take SP2005			
Learning and teaching methods of delivery:	Weekly contact: 2 language classes and 1 surgery hour (x 11 weeks), 1 lecture (x 11 weeks), 1 seminar (x 8 weeks).			
	Scheduled learning: 41 hours		Guided independent study: 159 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr K Anipa			

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SP2005 Spanish Language and Texts: ex-Beginners

SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	11.00 am			
The module is designed for ex-Beginners in Spanish who wish to move into mainstream studies of language and literature. It involves revision and progressively deeper understanding of the language, intensive practice in oral, spoken and written skills. In the literature component, study is planned so that thorough vocabulary acquisition, analysis of syntax and understanding of extended texts can be realistically achieved. This module not only opens the way to Spanish Honours for ex-Beginners but could be useful for students who wish to study other subjects in Spain at a later date.				
Pre-requisite(s):	Before taking this module you must pass SP1004			
Anti-requisite(s)	You cannot take this module if you take SP2001			
Co-requisite(s):	Single and joint honours students must also select SP2006.			
Learning and teaching methods of delivery:	Weekly contact: 2 language classes and 1 surgery hour (x 10 weeks), 1 lecture (x 10 weeks), 1 seminar (x 8 weeks).			
	Scheduled learning: 38 hours		Guided independent study: 162 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr K Anipa			

SP2006 Spanish Language and Critical Approaches to Cinema

SCOTCAT Credits:	20	SCQF Level 8	Semester	Both
Academic year:	2018/9			
Planned timetable:	To be arranged			
The module is designed to enhance the language skills of the student, with intensive practice in oral, spoken and written skills. The syllabus is based on a selection of films from Spain and Latin America, which are used as sources for thematic discussion and linguistic development. Weekly screenings and discussions are part of the programme, in addition to scheduled classes. Ex-Beginners will normally take this module in Semester 2.				
Pre-requisite(s):	Before taking this module you must pass SP1002 or pass SP1004			
Learning and teaching methods of delivery:	Weekly contact: 3 seminars, 1 surgery hour (x 10 weeks)			
	Scheduled learning: 30 hours		Guided independent study: 170 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr K Anipa			
Module teaching staff:	Ms A Barazal and Language assistants			

School of Philosophical, Anthropological & Film Studies

Film Studies (FM) modules

FM1001 Key Concepts in Film Studies			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	3.00 pm Mon and Thu, Screening 7-10pm Mon		
<p>In this introductory module, we examine key concepts and approaches that are relevant to the study of film. The module aims primarily to develop the skills needed for film analysis by looking at aspects of film form such as mise-en-scene, editing, cinematography, narrative and sound. Students will also examine particular aspects of Film Studies such as genre, authorship, stardom, acting, fandom and film industries. This module introduces students to notions of popular and art cinemas as well as documentary through a range of important cinematic texts from around the world.</p>			
Learning and teaching methods of delivery:	Weekly contact: 2 x 1-hour lectures, a 1-hour seminar and screening (typically 2 hours)		
	Scheduled learning: 50 hours		Guided independent study: 150 hours
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module teaching staff:	Dr L Donaldson, Dr L Torchin, TBC		

FM1002 Film History and Historiography			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	3.00 pm Mon and Thu, 7.00 -10.00 pm Mon (screening)		
<p>This module introduces key movements and moments in film history across the first fifty years of film. Students will first examine the major formal, technological, and industrial transformations from cinema's beginnings in the 1890s up to the conversion to sound in the late 1920s. How were films made, exhibited and understood and why did cinema evolve in the ways that it did? Throughout the module, we will examine film history in a global context, exploring international developments in Germany, Soviet Russia, Britain, Japan and Italy. Students will be encouraged to engage with primary materials and to examine critically the methods and approaches for writing and researching film. What can we learn from studying film and how does studying film history help us to better understand cinema and new media today?</p>			
Pre-requisite(s):	If not already passed you must take FM1001		
Co-requisite(s):	If not already passed you must take FM1001		
Learning and teaching methods of delivery:	Weekly contact: 2 x 1-hour lectures, a 1-hour seminar and screening (typically 2 hours)		
	Scheduled learning: 55 hours		Guided independent study: 145 hours
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module teaching staff:	Dr T Rice, Dr A Jain, Dr E Girelli		

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FM2001 Modern World Cinemas				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	3.00 pm Tue and Fri, 7.00 - 10.00 pm Tue (screening)			
This module continues the exploration of issues of film history and historiography which began in FM1002. It introduces students to significant cinematic developments across the second half of the twentieth century (such as, among others, the French Nouvelle Vague, New German cinema, New Latin American cinema, African cinema, New Hollywood, etc), providing exposure to the work of some of the most significant cineastes in the world. The exploration of the history of film art is strongly contextualised, to foster adequate understanding of the multiple forces shaping cinematic production and distribution, and of the complex dynamics of world cinema. The module includes weekly screenings of key cinematic texts.				
Pre-requisite(s):	Before taking this module you must pass FM1001			
Learning and teaching methods of delivery:	Weekly contact: 2 x 1-hour lectures, a 1-hour seminar and screening (typically 2 hours)			
	Scheduled learning: 50 hours		Guided independent study: 150 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	Dr P Lovatt, Dr E. Girelli			

FM2002 Film Culture, Theory, Entertainment				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	3.00 pm Tue and Fri, 7.00 - 10.00 pm Tue (screening)			
This module introduces a range of political, philosophical, and cultural approaches to the cinema, centring on the key insights, the breakthrough critical ideas that have informed the study of film and its role in society. The cinema - as a new and revolutionary art form - attracted many of the most powerful thinkers of the 20th century. And with every technological advance in film - including sound, colour, and computer animation - new theories of what is cinema emerged, creating a rich and highly concentrated intellectual exchange in a short period of time. These writings comprise the subject of this module.				
Pre-requisite(s):	If not already passed you must take FM2001			
Co-requisite(s):	If not already passed you must take FM2001			
Learning and teaching methods of delivery:	Weekly contact: 2 x 1-hour lectures, a 1-hour seminar and screening (typically 2 hours)			
	Scheduled learning: 55 hours		Guided independent study: 1450 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr P Flaig			
Module teaching staff:	Dr P Flaig, Dr P Lovatt, Dr D. Iordanova			

Philosophy (PY) modules

PY1010 Mind and World			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	11.00 am - 12.00 noon Mon, Tue, Thu, and occasional Fri		
This module provides an introduction to philosophical issues in metaphysics and philosophy of mind. These include questions such as: What is the relation between the mind and the material world? Is the mind a part of the scientific, law-governed material world? If so, can I really act freely? If the mind is part of the material world, how could a material thing be conscious? What, fundamentally, are material things and their properties? What is it for one event to cause another? What is time, and what is change? How can physical objects persist through change? Can a person persist through time and change and still be the same person?			
Anti-requisite(s)	You cannot take this module if you take PY1005 or take PY2801 or take PY2902		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 39 hours	Guided independent study: 161 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr S J Prosser		
Module teaching staff:	Team taught		

PY1011 Moral and Political Controversies			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	5.00 pm - 6.00 pm Mon, Tue, Thu, and occasional Fri		
Philosophy has often been said to begin with the question 'how ought we to live?' This module introduces students to fundamental questions and problems in moral philosophy (how should we live? What ought we to do? What is it to be a good human being?) and in political philosophy (how ought we to live together?). In moral philosophy we will look at both applied ethics (exploring particular moral issues, such as our obligations to those in severe need, and our treatment of non-human animals) and normative ethics (exploring theoretical approaches to tackling such issues, for example utilitarian, Kantian and virtue ethics). In political philosophy, we will explore central concepts such as liberty, equality, and democracy, and consider the extent to which we should give up some of our freedom in exchange for the protection of the state.			
Anti-requisite(s)	You cannot take this module if you take PY1105 or take PY1106 or take PY1801 or take PY1901		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 39 hours	Guided independent study: 161 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr L A Jones		
Module teaching staff:	Team taught		

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PY1012 Reasoning				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	5.00 pm - 6.00 pm Mon, Tue, Thu, and occasional Fri			
	This module introduces the essential concepts and techniques of critical reasoning, formal propositional logic, and basic predicate logic. Among the central questions are these: what distinguishes an argument from a mere rhetorical ploy? What makes an argument a good one? How can we formally prove that a conclusion follows from some premises? In addressing these questions, we will also cover topics such as argumentative fallacies, ambiguity, argument forms and analyses, induction versus deduction, counterexamples, truth-tables, truth-trees (tableaux), natural deduction, and quantification.			
Anti-requisite(s)	You cannot take this module if you take PY1006 or take PY1802			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 43 hours		Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: 1.5-hour Written Examination = 40%, Coursework (2 x class tests) = 60%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr E N Glick			
Module teaching staff:	Team taught			

PY1013 The Enlightenment				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	11.00 am - 12.00 noon Mon, Tue, Thu			
	This module provides an introduction to central figures, works and ideas of the period of the European Enlightenment (roughly 1700-1800), beginning with an account of its historical background and ending with a review of its legacy. It will approach issues both thematically and through the writings of major thinkers, considering for example various contrasts: experience and reason, belief and scepticism, individual and society, nature and convention, equality and inequality and representation and revolution; and looking at the ideas of such figures as Locke, Hume, Kant, Smith, and Rousseau.			
Anti-requisite(s)	You cannot take this module if you take PY2004 or take PY2901 or take PY1106			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 43 hours		Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Prof J A Harris			
Module teaching staff:	Team taught			

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PY2010 Intermediate Logic

SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	2.00 pm - 3.00 pm Mon, Tue, Thu and occasional Fri			
	This module aims to further develop students' understanding of formal logic by the study of a broad array of systems of logic. The module covers classical, modal, intuitionistic, and other non-classical logics, looking at both propositional and quantified versions. Particular attention is paid to the difference between semantics and proof theory for such systems.			
Pre-requisite(s):	Before taking this module you must pass PY1006 or pass PY1012			
Anti-requisite(s)	You cannot take this module if you take PY2001			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial. Optional weekly logic surgeries may also be available, based on demand.			
	Scheduled learning: 39 hours		Guided independent study: 161 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr A Cotnoir			
Module teaching staff:	Team taught			

PY2011 Foundations of Western Philosophy

SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	3.00 pm - 4.00 pm Mon, Tue, Thu and occasional Fri			
	This module provides an introduction to central figures, texts and ideas of the period of Ancient Philosophy. Classical Greek philosophy - specifically the works of Plato and Aristotle - will always be at the core of the module. The study of Plato and Aristotle can serve as a focus for discussing either earlier (presocratic) or later philosophical developments. Themes covered will include: the nature of thought, natural science, the human mind, the theory of knowledge, metaphysics and the good life of the individual and of society.			
Anti-requisite(s)	You cannot take this module if you take PY2003			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 39 hours		Guided independent study: 161 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr B M Sattler			
Module teaching staff:	Team taught			

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PY2012 Meaning and Knowing			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	2.00pm - 3.00 pm Mon, Tue, Thu and occasional Fri		
This module aims to provide a comprehensive foundation in both epistemology (the theory of knowledge) and the philosophy of language. It will typically cover the following central questions in epistemology: What is knowledge? What is evidence? Can we trust the evidence of the senses? Can we defeat the sceptic about knowledge? What are the limits of knowledge? What is the nature of belief? When is a belief a good belief? What is the nature of perception? What is the difference between mathematical knowledge and empirical knowledge? Questions covered on the philosophy of language component may include: What is communication? What is linguistic meaning? What is the difference between saying and implying? What is it for an expression to be context-sensitive? What is the nature of metaphor? Topics which span both components of the module include: internalism and externalism.			
Anti-requisite(s)	You cannot take this module if you take PY3701		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 43 hours	Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module teaching staff:	Team taught		

PY2013 Moral and Aesthetic Value			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	3.00 pm - 4.00 pm Mon, Tue, Thu and occasional Fri		
This module examines moral values, aesthetic values, and the relationship between them. Issues typically addressed may include the objectivity of moral and aesthetic values, the role of disagreement in morality and aesthetics, the relativity of moral and aesthetic judgement, the presence or the absence of principles in the moral and aesthetic domains, the possibility of moral and aesthetic knowledge, and the relation of morality and aesthetics to experience.			
Anti-requisite(s)	You cannot take this module if you take PY2101 or take PY3702		
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.		
	Scheduled learning: 43 hours	Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Dr J Snedegar		
Module teaching staff:	Team taught		

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Social Anthropology (SA) modules

SA1001 Anthropology in the World				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	4.00 pm			
The module explores topical and controversial issues in the relation between environment and human social life, drawing on the full variety of human societies. It explores such themes as the environmental determinism of human customs, economic development, and 'uprooted peoples'.				
Pre-requisite(s):	It is recommended to also take SA1002			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures, 1 film/workshop and 1 tutorial.			
	Scheduled learning: 55 hours		Guided independent study: 145 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr M C Frankland			
Module teaching staff:	Dr M Frankland			

SA1002 Ways of Thinking				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	4.00 pm Lectures (Mon, Tue, Thu, Fri)			
The module concentrates on the modes of thought and systems of belief of non-Western cultures and on the social significance of language in human communication in societies across the world and in more 'exotic' ones.				
Pre-requisite(s):	It is recommended to also take SA1001			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures, 1 film/workshop and 1 tutorial.			
	Scheduled learning: 54 hours		Guided independent study: 146 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%			
	As used by St Andrews: 2-hour Written Examination = 40%, Coursework = 60%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr A E Joyce			
Module teaching staff:	Dr A Joyce			

Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2018/9 - August - 2018

SA2001 The Foundations of Social Anthropology				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	11.00 am			
This module examines the social relationships, groups and categories which constitute the foundations of human life in the full variety of societies. Topics covered include kinship and the family, and ethnic relations.				
Pre-requisite(s):	Before taking this module you must pass SA1002			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures, 1 film/workshop and 1 tutorial.			
	Scheduled learning: 55 hours		Guided independent study: 145 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr H O B Wardle			
Module teaching staff:	Dr H Wardle			

SA2002 Ethnographic Encounters				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	11.00 am Lectures (Mon, Tue, Thu, Fri)			
This module explores the emergence of fieldwork practice in social anthropology, and reflexively considers the social, methodological and theoretical relations produced through ethnography. The module follows a narrative of preparing, conducting and analyzing a fieldwork project by considering the development of fieldwork practices, new ethnographic subjects and urban anthropology before turning to students' own fieldwork projects and their interpretation.				
Pre-requisite(s):	If not already passed you must take SA2001			
Co-requisite(s):	If not already passed you must take SA2001			
Learning and teaching methods of delivery:	Weekly contact: 3 lectures, 1 film/workshop and 1 tutorial.			
	Scheduled learning: 54 hours		Guided independent study: 146 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr T Crook			
Module teaching staff:	Dr Tony Crook			

School of Physics & Astronomy

Astronomy (AS) modules

AS1001 Astronomy and Astrophysics 1			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Planned timetable:	11.00 am lectures, one afternoon chosen from Mon, Wed and Fri with tutorial 2.00 pm - 3.00 and lab 3.00 pm - 5.30 pm		
This module surveys our present state of knowledge of the orbits, surfaces and atmospheres of the planets in our solar system; the structure and evolution of the Sun and other stars, including extra-solar planetary systems; the bizarre menagerie of star-forming regions, violent stellar objects and supermassive black holes found within our own Milky Way Galaxy and in other galaxies; and the large-scale structure and ultimate fate of the expanding Universe. Throughout the module, fundamental observations are interpreted using mathematical models to show how distances and other properties of astronomical objects throughout the Universe have been measured, from the time of Copernicus to the era of the Hubble Telescope and beyond.			
Pre-requisite(s):	The student must have higher or A-Level (or equivalent) physics and mathematics at grade b or better		
Anti-requisite(s)	You cannot take this module if you take AS1002 or take AS1101		
Learning and teaching methods of delivery:	Weekly contact: 4 or 5 lectures, 1 tutorial and 1 x 2.5-hour laboratory.		
	Scheduled learning: 80 hours	Guided independent study: 120 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 2-hour Written Examination = 60%, Class Tests = 15%, Laboratory work = 25%		
Re-assessment pattern:	2-hour Written Examination = 75%, Existing Laboratory work = 25%		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

AS1002 The Physical Universe			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	11.00 am		
This module presents a descriptive, largely non-mathematical account of the physical universe. It is aimed at students from across the University. It is divided into two components: concepts in astronomy, dealing with our understandings of the properties and ages of planets, stars, galaxies, and their distributions in space, cosmology and the origin of the Universe; and concepts in physics, dealing with our understandings of the nature of light and matter, the structure of atoms, fundamental particles and their links to cosmology.			
Anti-requisite(s)	You cannot take this module if you take AS1001 or take AS1101 or take AS2001 or take AS2101 or take PH1011 or take PH1012 or take PH2011 or take PH2012		
Learning and teaching methods of delivery:	Weekly contact: Typically 4 lecture slots, with 4 slots during the semester given to a tutorial/seminar.		
	Scheduled learning: 46 hours	Guided independent study: 154 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework (2 x Class Tests) = 50%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

Physics & Astronomy - 1000 & 2000 Level - 2018/9 - August - 2018

AS1101 Astrophysics (Direct Entry)			
SCOTCAT Credits:	5	SCQF Level 7	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to Direct Second level Entry students in Physics or Astrophysics		
Planned timetable:	at 2 weeks)		
<p>This module provides a streamlined introduction to the science of astrophysics for students who have taken direct entry to Second level and who are planning to take level two astrophysics later in the same academic session. It covers the essential items of observational astrophysics and how the radiation that is detected on Earth can be used to develop a physical model of the Sun, stars, planets, our Galaxy and external galaxies as well as the Universe as a whole. Topics will include stellar evolution, the rotation curves of galaxies and the need for Dark Matter as well as the expanding Universe, Dark Energy and cosmology.</p>			
Pre-requisite(s):	Direct entry to level two at the university of st andrews with a degree intention of astrophysics, physics, theoretical physics or a joint degree with one of these.		
Anti-requisite(s)	You cannot take this module if you take AS1001 or take AS1002 or take PH1501		
Co-requisite(s):	You must also take PH2011		
Learning and teaching methods of delivery:	Weekly contact: 1.5-hour lecture (x 8 weeks), 2.5-hour practical work (x 2 weeks) 1-hour tutorial (x 4 weeks)		
	Scheduled learning: 23 hours	Guided independent study: 27 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	As used by St Andrews: Coursework (Class test = 50%, laboratory work = 25%, take-home exam = 15%, online quizzes = 10%) = 100%		
Re-assessment pattern:	1-hour Written Examination = 75%, Existing Laboratory work = 25%		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

Physics & Astronomy - 1000 & 2000 Level - 2018/9 - August - 2018

AS2001 Astronomy and Astrophysics 2			
SCOTCAT Credits:	30	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	11.00 am lectures, plus Tue or Fri 2.00 pm - 3.00 pm tutorial		
This module comprises four lecture courses which extend knowledge gained in the first level module AS1001, and discuss recent developments in the subject: (i) observational techniques - modern telescopes; instruments and detectors for gamma-, X-, uv, optical, IR and radio radiation; spherical astronomy and essential coordinate systems; (ii) the structure and evolution of stars - nucleosynthesis, stellar properties as a function of age, a complete understanding of the HR diagram; (iii) exoplanetary science - theoretical and observational studies of planetary systems beyond our own; (iv) galactic astronomy - the distribution and motion of stars, gas, dust, and dark matter in our Milky Way and other galaxies.			
Pre-requisite(s):	Before taking this module you must (pass AS1001 or pass AS1101) and pass PH1011 and pass PH1012 and pass MT1002		
Anti-requisite(s)	You cannot take this module if you take AS2101		
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 tutorial and 1 x 2.5-hour laboratory session.		
	Scheduled learning: 85 hours	Guided independent study: 215 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 3-hour Written Examination = 60%, 2 x Class Tests = 15%, Laboratory work = 25%		
Re-assessment pattern:	3-hour Written Examination = 75%, Existing Laboratory work = 25%		
Module teaching staff:	TBC		
Additional information from Schools:	The School recommends that students who took AS1101 or the Gateway Astronomy course select AS2001 rather than AS2101. Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

Physics & Astronomy - 1000 & 2000 Level - 2018/9 - August - 2018

AS2101 Astrophysics 2			
SCOTCAT Credits:	15	SCQF Level 8	Semester 2
Academic year:	2018/9		
Availability restrictions:	Normally available only to those who took 'direct entry' to second year		
Planned timetable:	11.00 am lectures, plus Tue or Fri 2.00 pm - 3.00 pm tutorial		
<p>This module is designed to extend the knowledge gained in the first level AS1001 or AS1101 module and to prepare the way for more advanced material appearing in the honours astrophysics modules. The module has three basic components dealing with the physics of stellar structure and evolution, the components and dynamics of galaxies, and exoplanetary science - theoretical and observational studies of planetary systems beyond our own . The module is based on the physical principles and mathematical techniques acquired earlier, and applied to the astrophysical concepts covered in AS1001 or AS1101.</p>			
Pre-requisite(s):	Before taking this module you must (pass AS1001 or pass AS1101) and pass MT1002 and pass PH2011		
Anti-requisite(s)	You cannot take this module if you take AS2001		
Learning and teaching methods of delivery:	Weekly contact: 3/4 lectures and 1 tutorial.		
	Scheduled learning: 50 hours	Guided independent study: 100 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%		
	As used by St Andrews: 2-hour Written Examination = 80%, 2 x Class Tests = 20%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

Physics (PH) modules

PH1011 Physics 1A			
SCOTCAT Credits:	20	SCQF Level 7	Semester
Academic year:	2018/9		
Planned timetable:	12.00 noon lectures, one afternoon from five each week, 2.00 pm - 3.00 pm tutorial and 3.00 pm -5.30 pm lab		
This module covers the core subjects of mechanics, waves and optics, and also provides an overview of the physical properties of matter. It is suitable for those who have studied physics to the level of Higher Physics or equivalent. It includes lectures on Newton's laws, work and energy, simple harmonic motion, the different types of wave motion, geometrical and wave optics, and the nature and composition of nuclei, atoms, molecules and solids, and their interactions. Relevant laboratory work is an important part of the module.			
Pre-requisite(s):	Student must have higher or A-Level physics and mathematics (both at grade b or better), or equivalent.		
Anti-requisite(s)	You cannot take this module if you take AS1002		
Learning and teaching methods of delivery:	Weekly contact: Typically 4 lectures, 1 problem-solving workshop, 1 tutorial and 1 x 2.5-hour laboratory.		
	Scheduled learning: 85 hours	Guided independent study: 115 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	As used by St Andrews: 2-hour Written Examination = 60%, Class Test = 15%, Laboratory Work = 25%		
Re-assessment pattern:	2-hour Written Resit Examination = 60%, combined with existing Laboratory Work = 25%, existing Class Test = 15%		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

Physics & Astronomy - 1000 & 2000 Level - 2018/9 - August - 2018

PH1012 Physics 1B			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	12.00 noon lectures; One afternoon from up to five per week, 2.00 pm - 3.00 pm tutorial, 3.00 pm - 5.30 pm lab		
This module covers an introduction to quantum mechanics, the mechanics of rotation and gravity and an introduction to lasers. The module is suitable for those who have studied physics to the level of Higher Physics or equivalent. It includes lectures on the origins of quantum theory, its application to atoms and other small-scale systems; the principles of lasers, and some aspects of optical communication. The module also includes a set of group-based activities associated with the use of physics ideas to solve an interesting problem. Relevant laboratory work is an important part of the module.			
Pre-requisite(s):	If not already passed you must take PH1011		
Anti-requisite(s)	You cannot take this module if you take AS1002		
Co-requisite(s):	If not already passed you must take PH1011		
Learning and teaching methods of delivery:	Weekly contact: Typically 4 lectures, 1 workshop, 1 tutorial and 1 x 2.5 hr laboratory. Group Discovery Project replaces some lectures for part of the semester.		
	Scheduled learning: 82 hours	Guided independent study: 118 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	As used by St Andrews: 2-hour Written Examination = 50%, Class Test = 10%, Laboratory work = 25%, Group Discovery Project = 15%		
Re-assessment pattern:	2-hour Written Resit Examination = 50%, combined with existing Laboratory work = 25%, and existing Group Discovery Project = 15%, existing class test 10%		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

Physics & Astronomy - 1000 & 2000 Level - 2018/9 - August - 2018

PH1501 Mathematics for Physicists 1A			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to those on the Physics and Astronomy (Gateway) Programme and the Physics and Astronomy International Gateway Programme.		
Planned timetable:	To be arranged.		
<p>This module is designed to give physics students a secure base in elementary calculus and other mathematical tools to enable them to access the mathematics modules needed for progression into physics and astronomy degrees. Participants will learn to use this mathematics effectively and efficiently in the context of work in physics. Some of the work is a revision and practice of material that will normally have been seen in the Scottish Higher and some A-Level maths syllabuses. The content is similar to that in MT1001 and will allow students to progress to MT1002 in semester 2.</p>			
Pre-requisite(s):	Students must have gained entry to physics and astronomy (gateway) or international gateway programmes.		
Anti-requisite(s)	You cannot take this module if you take MT1001		
Co-requisite(s):	You must also take PH1011 and take PH1502		
Learning and teaching methods of delivery:	Weekly contact: 5 lectures, 1 tutorial and 1 workshop.		
	Scheduled learning: 72 hours	Guided independent study: 128 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework (Class Tests, 20%, Other Coursework,30%) = 50%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

Physics & Astronomy - 1000 & 2000 Level - 2018/9 - August - 2018

PH1502 Physics Skills 1A			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to those on the Physics and Astronomy (Gateway) Programme and the Physics and Astronomy International Gateway Programme		
Planned timetable:	To be arranged.		
This module develops academic and transferable skills in problem-solving, team-working, information retrieval and analysis, and study skills. It is a core module of the level one programme Physics and Astronomy (Gateway).			
Pre-requisite(s):	Students must have gained entry to physics and astronomy (gateway) or international gateway programmes.		
Anti-requisite(s)	You cannot take this module if you take AS1101		
Co-requisite(s):	You must also take PH1011 and take PH1501		
Learning and teaching methods of delivery:	Weekly contact: 2 lectures, 3 x 1.25-hour workshops, 1 x 3-hour lab, 1 x 2-hour supported study session.		
	Scheduled learning: 108 hours	Guided independent study: 92 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	60% new assignments, 40% marks for the assignments that make up the first assessment specification of the module.		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

PH1503 Physics Skills 1B			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Availability restrictions:	Available only to those on the Physics and Astronomy (Gateway) Programme and the Physics and Astronomy International Gateway Programme		
Planned timetable:	To be arranged.		
This module develops academic and transferable skills in problem solving in physics, in mathematical modelling of physical systems, in numerical/computational work applied to physics, and in study skills. It is a core module for the level one programme Physics and Astronomy (Gateway).			
Pre-requisite(s):	Students must have gained entry to physics and astronomy (gateway) or international gateway programmes.		
Co-requisite(s):	You must also take PH1012		
Learning and teaching methods of delivery:	Weekly contact: 2 lectures, 3 x 1.25-hour workshops, 1 x 3-hour lab, 1 x 2-hour supported study session		
	Scheduled learning: 118 hours	Guided independent study: 82 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	60% new assignments, 40% marks for the assignments that make up the first assessment specification of the module.		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

Physics & Astronomy - 1000 & 2000 Level - 2018/9 - August - 2018

PH2011 Physics 2A			
SCOTCAT Credits:	30	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	10.00 am lectures; one problem solving workshop and lab chosen from Tue, Thu or Fri (2.00 pm - 5.30 pm); one tutorial to be arranged.		
<p>This module covers the subjects of mechanics, special relativity, oscillations, and thermal physics. It is suitable for those who have taken the specified first year modules in physics and mathematics, or have good Advanced Higher or A-level passes or equivalent in physics and mathematics. It includes lectures on the dynamics of particles and rigid bodies, Einstein's special theory of relativity, free, forced and damped harmonic motion, and lectures on thermal physics including elementary thermodynamics and the notion of entropy.</p>			
Pre-requisite(s):	Students should also have passed PH1011, PH1012 and MT1002 or have passes in advanced higher physics and mathematics or A-Level physics and mathematics, both normally at grade a or equivalent.		
Anti-requisite(s)	You cannot take this module if you take AS1002		
Learning and teaching methods of delivery:	Weekly contact: 4 or 5 lectures, 1 workshop, 1 tutorial and 1 x 2.5-hour laboratory.		
	Scheduled learning: 97 hours	Guided independent study: 203 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%		
	As used by St Andrews: 3-hour Written Examination = 60%, Class Test = 10%, Laboratory work = 25%, lectures and pre-lecture questions = 5%		
Re-assessment pattern:	3-hour Written Resit Examination = 60%, combined with existing Class Test = 10%, Laboratory Work = 25%, and lecture and pre-lecture questions = 5%.		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

Physics & Astronomy - 1000 & 2000 Level - 2018/9 - August - 2018

PH2012 Physics 2B			
SCOTCAT Credits:	30	SCQF Level 8	Semester 2
Academic year:	2018/9		
Planned timetable:	10.00 am lectures; one problem solving workshop and lab chosen from Tue, Thu or Fri (2.00 pm - 5.30 pm); one tutorial to be arranged.		
This module covers the subjects of quantum physics, electricity and magnetism and classical waves. It is suitable for those who have taken the specified first year modules in physics and mathematics, or have good Advanced Higher or A-Level passes or equivalent in physics and mathematics. It includes lectures on the origin of Schrodinger's equation in quantum mechanics and its solution for simple one-dimensional potentials; an elementary introduction to the electromagnetic field comprising electrostatics, magnetostatics, electromagnetic induction and circuit theory; and lectures on waves, acoustics, polarisation of light, and interference.			
Pre-requisite(s):	If not already passed you must take PH2011. Students should also have passed PH1011, PH1012 and MT1002 or have passes in advanced higher or A-Level physics and mathematics, both normally at grade a or equivalent. The school may waive PH2011 as a requisite in special circumstances.		
Co-requisite(s):	If not already passed you must take PH2011		
Learning and teaching methods of delivery:	Weekly contact: 4 or 5 lectures, 1 workshop, 1 tutorial and 1 x 2.5-hour laboratory.		
	Scheduled learning: 105 hours	Guided independent study: 195 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%		
	As used by St Andrews: 3-hour Written Examination = 60%, Class Test = 10%, Laboratory work = 25% , lecture and pre-lecture questions = 5%		
Re-assessment pattern:	3-hour Written Resit Examination = 60%, combined with existing Class Test = 10%, Laboratory Work = 25% and lecture and pre-lecture questions = 5%.		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

School of Psychology & Neuroscience

Psychology (PS) modules

PS1001 Psychology 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	Lecture 12.00 noon - 1:00 pm Mon, Wed, Thu & Fri. 2-hour workshop: one of Mon 10-12, 2-4, 4-6, Tues 9-11, 11-1, 2-4			
This module aims (i) to provide an introduction to the theoretical foundations, historical perspectives and modern developments of psychology; (ii) to provide an introduction to the variety of subjects which make up contemporary psychology; (iii) to provide a thorough grounding in the empirical basis of psychology. Lectures comprise the principal teaching method. In addition, a specialised methodology and practical course will introduce methods of research including experimental design, analysis and interpretation of results. The skills necessary for writing research reports will be stressed. It will be assumed that entrants have no previous knowledge of psychology.				
Learning and teaching methods of delivery:	Weekly contact: 4 lectures and 1 x 2-hour workshop.			
	Scheduled learning: 58 hours		Guided independent study: 142 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	As used by St Andrews: 2-hour Written Examination = 75%, Coursework = 25%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr P J Miles			
Module teaching staff:	Team taught			

PS1002 Psychology 2				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	Lecture 12.00 noon - 1:00 pm Mon, Wed, Thu & Fri. 2-hour workshop: one of Mon 10-12, 2-4, 4-6, Tues 9-11, 11-1, 2-4			
This module aims (i) to provide an introduction to the theoretical foundations, historical perspectives and modern developments of psychology; (ii) to provide an introduction to the variety of subjects which make up contemporary psychology; (iii) to provide a thorough grounding in the empirical basis of psychology. The principal teaching method for PS1002 is formal lectures, with a continuation of the specialised methodology and practical course exploring methods of research. It will be assumed that students have taken PS1001 and will therefore have some experience in methodology and writing research reports.				
Learning and teaching methods of delivery:	Weekly contact: 4 lectures and 1 x 2-hour workshop.			
	Scheduled learning: 64 hours		Guided independent study: 136 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	As used by St Andrews: 2-hour Written Examination = 75%, Coursework = 25%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr P J Miles			
Module teaching staff:	Team taught			

Psychology & Neuroscience - 1000 & 2000 Level - 2018/9 - August - 2018

PS2001 Psychology 1				
SCOTCAT Credits:	30	SCQF Level 8	Semester	1
Academic year:	2018/9			
Planned timetable:	Lecture 10.00 am - 11.00 am Mon, Tue, Wed, Fri; 3 hour practical (one of Wed 2-5pm, Thur 10-1pm, Thur 3-6pm)			
This module uses PS1001 and PS1002 as the foundation for a more advanced treatment of a number of areas in psychology. In this way, and in conjunction with PS2002, it forms a sound preparation for Honours Psychology. It also provides greater depth of understanding of psychology for those who are taking the module as part of a more general course. Module PS2001 complements PS2002; together, the two modules involve advanced treatment of the following areas of psychology: the relations between brain and behaviour; cognition; perception; comparative aspects of behaviour; social and health psychology. It also contains a methodology component covering laboratory and field techniques; no methodological grounding beyond PS1002 will be assumed.				
Pre-requisite(s):	Before taking this module you must pass PS1001 and pass PS1002			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 x 3-hour laboratory per week and 4 x 1-hour course-related tutorials per semester.			
	Scheduled learning: 74 hours		Guided independent study: 236 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	As used by St Andrews: 3-hour Written Examination = 75%, Coursework = 25%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Mr P L Gardner			
Module teaching staff:	Team taught			

PS2002 Psychology 2				
SCOTCAT Credits:	30	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 10.00 am - 11:00 am Mon, Tue, Wed, Fri; 3-hour practical (one of Wed 2-5pm, Thu 10-1pm, Thu 3-6pm)			
This module uses PS1001 and PS1002 as the foundation for a more advanced treatment of a number of areas in psychology and extends the range of teaching available in PS2001 to complete the preparation for Honours Psychology. It also provides greater depth of understanding of psychology for those who are taking the module as part of a more general course. Module PS2002 involves advanced treatment of the following areas of psychology, complementing PS2001: the relations between brain and behaviour; cognition; perception; comparative aspects of behaviour; social and health psychology. It also contains a methodology component covering laboratory and field techniques; grounding in the methodological skills of PS2001 will be assumed.				
Pre-requisite(s):	If not already passed you must take PS2001			
Co-requisite(s):	If not already passed you must take PS2001			
Learning and teaching methods of delivery:	Weekly contact: 4 lectures, 1 x 3-hour laboratory per week and 4 x 1-hour course-related tutorials per semester.			
	Scheduled learning: 81 hours		Guided independent study: 219 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	As used by St Andrews: 3-hour Written Examination = 75%, Coursework = 25%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Mr P L Gardner			
Module teaching staff:	Team taught			

Interdisciplinary (ID) modules

ID1003 Great Ideas 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	1.00 pm Mon, 1.00 pm Tue, 1.00 pm Thu			
<p>The aim of this module is to trace some of the major intellectual and societal threads in the development of modern civilisation: the 'canon' of modern thought. The module is in three sections. Part 1 is 'Arguments and Facts' and explores the fundamentals of logic, analysis and reasoning. Part 2, 'Rhetoric, Debate and Understanding' will explore how argument can be used to cajole, convert, persuade and entertain and emphasise the importance in understanding another person's position. Part 3, 'Applying Analysis' takes the learning and skills of the previous sections and applies them to some of the great texts and artworks of western civilisation.</p>				
Learning and teaching methods of delivery:	Weekly contact: 2 to 3 lectures and 1 tutorial.			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination (4 questions) = 100%			
Module coordinator:	Dr C G M Paxton			
Module teaching staff:	team taught			

ID1004 Great Ideas 2				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	1.00 pm Mon, 1.00 pm Tue, 1.00 pm Fri			
<p>Students will be introduced to influential thinkers, theories and texts across four main themes: the nature of reality; matter and the cosmos and their representations in the Arts; the idea of rights; and the principle of evolution as applied within and beyond the biological sciences. Students will encounter thinkers from Plato to Einstein, via Newton, Kant, Wollstonecraft and Darwin. They will develop an appreciation of the wider importance of figures such as these to a range of human intellectual endeavour across disciplinary boundaries. Use is made of original source material where possible, and lectures are supplemented by facilitated discussion sessions. This module complements Great Ideas 1, but may be studied independently.</p>				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial.			
	Scheduled learning: 42 hours		Guided independent study: 158 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module teaching staff:	Dr B Sachs			

Interdisciplinary - 1000 & 2000 Level - 2018/9 - August - 2018

ID1006 Astrobiology: The Search for Life in the Universe			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Planned timetable:	1.00 pm		
<p>This module aims to lead students through the scientific quest for the origin of life on Earth and the prospect for finding life on other planets, both in our solar system and on habitable worlds elsewhere in the Galaxy. The course will cover diverse topics in biology, geology, astronomy and chemistry, which comprise the field of astrobiology. We will also discuss the societal implication of detecting life outside Earth. The course will start by studying the origins and evolution of life on Earth and will use this as a framework for how to search for life in our Solar System and beyond. Due to the wide range of scientific topics covered, the course will be suitable for non-science majors as well as those in the sciences. A key component of the course will be to examine science as a way of knowing by looking at the scientific process, how scientific theories are developed and refuted, and discuss the burden of proof for extraordinary claims.</p>			
Learning and teaching methods of delivery:	Weekly contact: Lectures (2 hours x 11 weeks) Practical sessions (1 hour x 11 weeks) Oral presentation (3 hours x 3 weeks)		
	Scheduled learning: 42 hours	Guided independent study: 158 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-hour Written Examination = 80%, Coursework = 20%		
Module coordinator:	Dr M Claire		
Module teaching staff:	Dr A Macartney, Dr M Claire and Dr S Rugheimer		

ID2003 Science Methods			
SCOTCAT Credits:	10	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	1.00 pm Mon, 1.00 pm Tue, 4.00 pm Thu		
<p>This module provides an overview of the rationale, methods, history and philosophy of science. We explore the different definitions of science, the distinction between science and pseudo-science, the design of experiments, critical thinking, errors in reasoning, methods of making inferences and generalisations, the role of personal experience and anecdotes in science, the process of scientific publication and the role of anomalies in science. The module is collaboratively taught by staff from a number of schools in the university providing a useful methodological background for all science students.</p>			
Learning and teaching methods of delivery:	Weekly contact: 2 lectures and 1 practical class.		
	Scheduled learning: 32 hours	Guided independent study: 68 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 1.5-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Dr C G M Paxton		
Module teaching staff:	team taught		

ID2005 Scientific Thinking			
SCOTCAT Credits:	15	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	Lectures: 1.00 pm Mon, Tue, Wed Tutorials: 4.00 pm - 6.00 pm Thu		
<p>This module provides an overview of the rationale, methods, history & philosophy of science and is a more detailed, 15-credit version of ID2003. We explore the different definitions of science, the distinction between science and non-science, the design of experiments, errors in reasoning, critical thinking, personal experience & science, the grammar of graphics, the process of science, peer review, research reproducibility, data cataloguing, the treatment of anomalies & outliers, and ethics. The module is collaboratively taught by staff from a number of Schools of the University providing a useful methodological background for all science students.</p>			
Anti-requisite(s)	You cannot take this module if you take ID2003		
Learning and teaching methods of delivery:	Weekly contact: 3 x 1-hour lectures (x 11 weeks), 1-hour tutorials (x 8 weeks), 1-hour seminar (x 1 week) 2-hour practical (x 1 week), 6 hours film/video viewing in total.		
	Scheduled learning: 50 hours	Guided independent study: 100 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	As used by St Andrews: 1.75-hour Written Examination = 50%, Coursework = 50%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Dr C G M Paxton		
Module teaching staff:	team taught		

Music Centre

Music (MU) modules

MU1003 Understanding Music (A)				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	3.00 pm Lectures and seminar: Mon, Tue and Thu			
<p>This module aims to develop skills and knowledge that will help students to get more out of the experience of listening to music. Focusing particularly on classical music, the module includes components on musical history, acoustics and aesthetics and examines set works in particular detail. Students are not required to perform as part of this module, but a good prior knowledge of score reading and analysis is essential. A diagnostic test will be carried out in week 1 to ascertain whether you have the necessary musical score literacy to succeed in this class. A low score on this test will indicate that you should transfer into Understanding Music (B) where this skills gap will be addressed.</p>				
Pre-requisite(s):	Students should hold one of the following qualifications or a suitable equivalent: higher music, a level music, AB grade 5 theory, grade 6 or above in practical performance on any instrument or voice.			
Anti-requisite(s)	You cannot take this module if you take MU1013			
Learning and teaching methods of delivery:	Weekly contact: 2 lectures, 1 seminar and 1 tutorial. Orientation week: enrolment meeting and diagnostic testing Revision week: 2 optional revision sessions			
	Scheduled learning: 42 hours		Guided independent study: 158 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 25%, Practical Examinations = 0%, Coursework = 75%			
	As used by St Andrews: 1-hour Written Examination = 25%, Coursework = 75%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr J K Pettegree			
Module teaching staff:	Team taught			

MU1004 Making Music				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	3.00 pm Tutorials: Tue, Thu and Fri			
<p>This module is designed for students who have already studied an instrument or singing and would like to continue making music at high level while at university. It supports students in improving their performance abilities while developing an understanding of the historical, analytical and aesthetic ideas related to musical performance. The module also offers the chance to study composition and to perform as part of an ensemble. Students are required to present a short recital for examination and to complete related written work.</p>				
Pre-requisite(s):	Students should have a grade 8 performance certificate or take an audition with the module co-ordinator			
Learning and teaching methods of delivery:	Weekly contact: 3 tutorials.			
	Scheduled learning: 33 hours		Guided independent study: 167 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 67%, Coursework = 33%			
	As used by St Andrews: Practical Examination = 67%, Coursework = 33%			
Re-assessment pattern:	2000-word essay = 50%, Practical Examination (15-minute recital) = 50%			
Module coordinator:	Mr B Williams			
Module teaching staff:	Team taught			

Music - 1000 & 2000 Level - 2018/9 - August - 2018

MU1005 Reading Opera: Texts, Libretti and Music from Purcell to Stravinsky				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	10.00 am - Lectures Mon and Thu, Viewing Sessions Tue and Wed			
<p>This module examines operas based on literary works from a variety of different nations (France, England, Russia, Germany, USA, Ancient Rome) that are significant in their own right. Our work will focus on the transformations of meaning and structure that take place as text is turned into libretto, and as libretto is set to music. The module will shed light on the relationship between music and text, and on the function that music plays in drama. Composers to be examined may include some or all of the following: Purcell, Bizet, Tchaikovsky, Massenet, Verdi, Puccini, Debussy, Berg and Stravinsky. No prior knowledge of musical notation is necessary to take this module. It is intended to be of particular interest to students of English literature and European modern languages, but is open to all with an interest in the link between music and drama.</p>				
Learning and teaching methods of delivery:	Weekly contact: 2 lectures, 2 screenings and (weeks 2 - 11) 1 tutorial.			
	Scheduled learning: 54 hours		Guided independent study: 146 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr J K Pettegree			
Module teaching staff:	Team taught			

MU1006 An Introduction to Ethnomusicology: why, and how, human beings are musical				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Availability restrictions:	Maximum 60 students			
Planned timetable:	10.00 am - Lectures Mon, Tue and Thu.			
<p>Ethnomusicology is the study of why, and how, human beings are musical (Timothy Rice). It is interdisciplinary, and draws upon e.g. musicology, anthropology, cultural studies, and performance studies. This course aims to provide students with a broad overview of the emergence of the academic field; insights into its methods of enquiry using both emic (insider) and etic (outsider) approaches to recording and writing about musical activity; exposure to some important critical texts and questions; and some illustrative case studies from a variety of different cultural contexts.</p>				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures (x11 weeks), 1 tutorial (x10 weeks)			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr J K Pettegree			
Module teaching staff:	Team Taught			

MU1013 Understanding Music (B)				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	3.00 pm Lectures and seminar: Mon, Tue and Thu			
This module is aimed specifically at students who lack skills in reading music scores but who enjoy listening to music, and who are therefore interested in exploring the subject at university level and in developing more advanced music literacy skills. It aims to develop skills and knowledge that will help students to get more out of the experience of listening to music. Focusing particularly on Western classical music, the module includes components on music history, acoustics and aesthetics. Some basic formal music education including familiarity with standard Western musical notation is expected.				
Anti-requisite(s)	In taking this module you cannot take MU1003, abrsm grade 5 theory or grade 6 in practical performance on any instrument or voice.			
Learning and teaching methods of delivery:	Weekly contact: 2 lectures, 1 seminar and 1 tutorial. Orientation week: enrolment meeting and diagnostic testing Revision week: 2 optional revision sessions			
	Scheduled learning: 42 hours		Guided independent study: 158 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 25%, Practical Examinations = 0%, Coursework = 75%			
	As used by St Andrews: 1-hour Written Examination = 25%, Coursework = 75%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr J K Pettegree			
Module teaching staff:	Team taught			

MU2001 Advanced Performance				
SCOTCAT Credits:	20	SCQF Level 8	Semester	Full Year
Academic year:	2018/9			
Planned timetable:	Tutorials 10.00 am every second Tue (normally even-numbered weeks, with adjustment in semester 1 to accommodate the ILW). Other classes to be arranged.			
This module caters for students aiming to develop their performing skills to diploma level. Alongside the primary focus of performance, students will have the opportunity to consider relevant music in its historical context. Teaching will include subsidised instrumental/vocal lessons at the University Music Centre (covering thirty minutes' tuition every two weeks) as well as masterclasses with professional musicians.				
Pre-requisite(s):	Before taking this module you must gain an average mark of at least 16 from MU1004. In exceptional circumstances, entry could be by audition.			
Learning and teaching methods of delivery:	Weekly contact: Fortnightly individual 30 minute instrumental lessons (5 each semester); fortnightly 1 hour tutorials (5 each semester) and 12 additional hours of teaching in a variety of formats including masterclasses, professional development topic seminars and practical training in musicianship appropriate to both individual and group requirements, spread over the academic year. Delivery of these 12 hours will be flexible in order to take advantage of opportunities arising through the Music Centre, but will be agreed with students so that it lies sympathetically alongside their other timetabled commitments.			
	Scheduled learning: 27 hours		Guided independent study: 173 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 80%, Coursework = 20%			
	As used by St Andrews: Practical Examination (30-minute performance, viva voce and sight-reading) = 80%, Coursework = 20%			
Re-assessment pattern:	1-hour Written Examination = 20%, Practical Examination = 80% (Practical Examination (30-minute recital: 60%, viva voce: 10%, quick study: 10%) = 80%)			
Module coordinator:	Mr T A Wilkinson			
Module teaching staff:	Team taught			

Music - 1000 & 2000 Level - 2018/9 - August - 2018

MU2002 Scottish Music				
SCOTCAT Credits:	20	SCQF Level 8	Semester	Both
Academic year:	2018/9			
Planned timetable:	9.00 am Tue, Wed and Thu			
The module explores a wide range of music in Scotland, examining Highland and Lowland folk music and more recent pop music as well as classical music composed from the mediaeval era onwards. In doing so, it aims to build up an understanding of the relationship between Scottish music and the society in which it is produced. No prior knowledge of musical notation is necessary: this module will interest all those interested in the rich and varied musical culture of the country in which they are living.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures and 1 tutorial. In Semester 1: Orientation week: 2 x introductory sessions, and optional (2 hours) whistle session in ILW			
	Scheduled learning: 43 hours		Guided independent study: 157 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr J A Kemp			
Module teaching staff:	Team taught			

MU2004 Electronic Music				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Planned timetable:	2.00 pm Mon, Thu and Fri			
This is a practical module offering students the opportunity to work in small groups in the Music Centre's studio to create music from electronic sources. Accompanying lectures and seminars examine the history of electronic music, amplified music and computer music and look at works by significant composers and innovators who have worked in these genres, from Stockhausen to Jimi Hendrix. The module also offers tuition in music software packages such as Sibelius, Logic and Ableton Live. No prior experience in electronic music is necessary in order to take the module, but some knowledge of music notation or music theory would be advantageous.				
Learning and teaching methods of delivery:	Weekly contact: 1 lecture, 1 seminar and 1 practical class per week. 1 fortnightly tutorial.			
	Scheduled learning: 38 hours		Guided independent study: 162 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	Coursework = 100% (an electronic composition weighted at 70% of the overall grade, and an essay weighted at 30%).			
Module coordinator:	Dr J A Kemp			
Module teaching staff:	Team taught			

MU2006 Music Leadership			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Planned timetable:	1.00 pm - 2.00 pm Mon, Thu		
<p>This module will give students with existing music skills the opportunity to work with others to create, build and deliver a musical event. Working in groups, they will be given the opportunity to create repertoire, learn about leading rehearsals, and produce a final performance. All students will participate in all taught areas of the syllabus. Input from professional practitioners will help them to relate their learning to real-world situations. Assessment will track the life-cycle of their project, helping them to reflect on the skills they have used to bring their performance to an audience. The module will give students who are already active music-makers the opportunity to understand how to manage and lead a musical group project.</p>			
Pre-requisite(s):	<p>Before taking this module you must gain an average mark of at least 11 from MU1003 or gain an average mark of at least 11 from MU1013 or gain an average mark of at least 11 from MU1004. In exceptional circumstances students with evidence of practical musical experience, may apply in writing before the start of the academic session.</p>		
Learning and teaching methods of delivery:	Weekly contact: 2 x 1-hour seminars (x 8 weeks), 1-hour tutorial (x9 weeks) and 1 optional consultative hour (x 12 weeks) plus 2 hours of lectures and 2 hours of practical classes over the semester.		
	Scheduled learning: 29 hours	Guided independent study: 171 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 17%, Coursework = 83%		
	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	Devise a new concert programme for the instrumentation of the original group, and write a 1500-word critical commentary that explains how the programme fits together, and reflects upon creative decisions you have made.		
Module coordinator:	Dr M C J Ferguson		
Module teaching staff:	Team taught		

English Language Teaching

English Language Teaching (ET) modules

ET1001 English as a Foreign Language A			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Availability restrictions:	Please note that students on degree programmes in St Andrews who use English as an Additional Language cannot take 1000 and 2000 level ET modules concurrently. However, this restriction does not apply to exchange students, who can take 1000 and 2000 level ET modules concurrently		
Planned timetable:	3.00 pm Mon, Tue, Thu, Fri		
This module is designed to improve the communicative English skills of students whose first language is not English. It aims to develop skills such as problem-solving and expressing opinions in English. The purpose of the module is to develop students' confidence in the day-to-day use of English outside the classroom, helping students to communicate more effectively in writing and speaking in a variety of non-academic styles. Lectures on British culture will enhance the students' understanding of life in twenty-first century Britain.			
Pre-requisite(s):	In taking this module you must be a user of English as an additional language		
Anti-requisite(s)	Student must not be a native speaker of English, have a pass at higher, A-Level or equivalent in English or ET1009		
Learning and teaching methods of delivery:	Weekly contact: 4 compulsory classes		
	Scheduled learning: 40 hours	Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%		
	As used by St Andrews: 2-hour Written Examination = 40%, Coursework = 60%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Mr J Hughes		
Module teaching staff:	Ms Georgina Lloyd (gl33)		

English Language Teaching - 1000 & 2000 Level - 2018/9 - August - 2018

ET1002 English as a Foreign Language B			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Availability restrictions:	Please note that students on degree programmes in St Andrews who use English as an Additional Language cannot take 1000 and 2000 level ET modules concurrently. However, this restriction does not apply to exchange students, who can take 1000 and 2000 level ET modules concurrently.		
Planned timetable:	3.00 pm Mon, Tue, Thu, Fri		
This module examines aspects and genres of English, such as idiomatic language, journalese, and drama. The approach is similar to ET1001 in that developing communicative skills is regarded as the main aim of the module. The module will examine what constitutes writing appropriately and effectively in a variety of non-academic contexts. Lectures in aspects of British literature and cinema will provide a greater understanding of British culture.			
Pre-requisite(s):	In taking this module you must be a user of english as an additional language		
Anti-requisite(s)	Student must not be a native speaker of english, have a pass at higher, A-Level or equivalent in english or ET1009		
Learning and teaching methods of delivery:	Weekly contact: 4 compulsory classes		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%		
	As used by St Andrews: 2-hour Written Examination = 40%, Coursework = 60%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Mr J Hughes		
Module teaching staff:	Ms L Thirkell		

ET2001 Academic English 1			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Availability restrictions:	Please note that students on degree programmes in St Andrews who use English as an Additional Language cannot take 1000 and 2000 level ET modules concurrently. However, this restriction does not apply to exchange students, who can take 1000 and 2000 level ET modules concurrently		
Planned timetable:	4.00 pm Mon, Tue, Thu, Fri		
This module provides students with detailed knowledge of, and practice in, the conventions of Academic English. The module will focus particularly on the skills required for essay writing and for making oral presentations. There will be an emphasis on improved academic study skills, including reading academic texts and note-taking in lectures.			
Pre-requisite(s):	In taking this module you must be a user of english as an additional language		
Anti-requisite(s)	Student must not be a native speaker of english, have a pass at higher, a level or equivalent in english		
Learning and teaching methods of delivery:	Weekly contact: 4 compulsory classes		
	Scheduled learning: 40 hours	Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%		
	As used by St Andrews: 3-hour Written Examination = 40%, Coursework = 60%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module coordinator:	Mr J Hughes		
Module teaching staff:	Mr J Harvey		

English Language Teaching - 1000 & 2000 Level - 2018/9 - August - 2018

ET2002 Academic English 2			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Availability restrictions:	Please note that students on degree programmes in St Andrews who use English as an Additional Language cannot take 1000 and 2000 level ET modules concurrently. However, this restriction does not apply to exchange students, who can take 1000 and 2000 level ET modules concurrently		
Planned timetable:	4.00 pm Mon, Tue, Thu, Fri		
This module provides students with a more advanced understanding of, and practice in, the conventions of Academic English in a British university context. The module will focus particularly on writing skills and seminar skills. There will be an emphasis on improving students' ability to study proactively and productively, developing the ability to handle sources: reading academic texts effectively and developing note-taking and summarising skills. Teaching is conducted in small groups, with active student participation required.			
Pre-requisite(s):	In taking this module you must be a user of english as an additional language		
Anti-requisite(s)	Student must not be a speaker of english, have a pass at higher, A-Level or equivalent in english		
Learning and teaching methods of delivery:	Weekly contact: 4 compulsory classes		
	Scheduled learning: 44 hours	Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 20%, Practical Examinations = 20%, Coursework = 60%		
	As used by St Andrews: 2-hour Written Examination = 20%, 1 - 1.5-hour Listening Examination = 20%, Coursework = 60%		
Re-assessment pattern:	2-hour Written Examination = 50% , 1 - 1.5-hour Listening Examination = 50%		
Module coordinator:	Mr J Hughes		
Module teaching staff:	Mr J Harvey		

English Language Teaching - 1000 & 2000 Level - 2018/9 - August - 2018

Linguistics (LI) modules

LI1001 Foundations of Language 1				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Planned timetable:	Lectures: 2.00 pm Mon, Tue, Thu Tutorial: 2.00 pm Fri			
This module will provide an introduction to a variety of areas in Linguistics. In particular, it will analyse the structures and functions of language and will consist of a study of grammatical structures in English; the ways in which meaning is constructed from morpheme to text and the system of sounds in English and pronunciation. There will be an element of active participation in the lectures as well as in the seminars.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures plus 1 seminar			
	Scheduled learning: 40 hours		Guided independent study: 160 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Ms L Thirkell			
Module teaching staff:	Mr J Harvey, Ms A Malcolm-Smith, Ms K Tavakoli			

LI1002 Foundations of Language 2				
SCOTCAT Credits:	20	SCQF Level 7	Semester	2
Academic year:	2018/9			
Planned timetable:	Lectures: 2.00 pm Mon, Tue, Thu Tutorial: 2.00 pm Fri			
This module will consider three important aspects of language: Language and the Mind, which examines how language is acquired or learned and then stored; Language and Society, which considers the way language is shaped by context and culture; and Teaching Language, which considers how linguistic and educational theory shapes language teaching. There will be an element of active participation in the lectures as well as in the seminars.				
Learning and teaching methods of delivery:	Weekly contact: 3 lectures plus 1 seminar			
	Scheduled learning: 44 hours		Guided independent study: 156 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Ms L Thirkell			
Module teaching staff:	Mr J Harvey, Ms A Malcolm-Smith, Ms K Tavakoli			

Evening Degree modules

Art History (AH) modules

AH1901 Western Art from Renaissance to Baroque				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Tue 6.30 - 9.30 pm			
The module will provide a survey of western European art from the late Middle Ages to the end of the eighteenth century. Each lecture will focus on a particular work of art or monument, chosen to illustrate not only the achievement of great individual artists (including Michelangelo, Caravaggio, Rembrandt), but also different media (painting, sculpture, architecture, print-making). Attention will also be paid to different art-historical approaches to the art of the Renaissance and Baroque periods.				
Anti-requisite(s)	You cannot take this module if you take AH1001 or take AH1003			
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5-hour session: lectures and tutorials (x 13 weeks), 1.5-hour optional office hour (x 13 weeks), 1 x 8-hour field trip.			
	Scheduled learning: 42 hours		Guided independent study: 158 hours	
Assessment pattern:	As used by St Andrews: Coursework (1 x 1,000 word Visual Analysis Paper = 25%, 2 visual tests = 25%, 1 x 2,000-word research essay = 50%) = 100%			
Re-assessment pattern:	1 x Written Assignment to be agreed by the Board of Examiners			
Module coordinator:	Dr W W Rough			
Module teaching staff:	Team taught			

AH2901 Art in the Modern Period				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Tue 6.30 - 9.30 pm			
The module will provide a survey of western European art from the end of the eighteenth century to the present day. Each lecture will focus on a particular work of art, monument or movement, chosen to illustrate not only the achievement of great individual artists (including Van Gogh, Cezanne, and Picasso), but also different media (painting, sculpture, architecture, photography, applied arts). Attention will also be paid to differing art-historical approaches to the art of the Modern period.				
Pre-requisite(s):	Before taking this module you must pass AH1901			
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5-hour session: lectures and tutorials (x 14 weeks), 1.5-hour optional office hour (x 14 weeks), 1 x 8-hour fieldtrip.			
	Scheduled learning: 43 hours		Guided independent study: 157 hours	
Assessment pattern:	As used by St Andrews: Coursework (1 x 1,000 word Visual Analysis Paper = 25%, 2 visual tests = 25% 1 x 2,000 word essay = 50%) = 100%			
Re-assessment pattern:	1 x Written Assignment to be agreed by the Board of Examiners			
Module coordinator:	Dr W W Rough			
Module teaching staff:	Team taught			

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AH3901 Walter Richard Sickert and European Art c. 1880 - 1940				
SCOTCAT Credits:	30	SCQF Level 9	Semester	2
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Mon, 6.30 - 9.30 pm			
The module will examine European Art c.1880 - c.1940 paying particular attention to the artistic development of the British painter Walter Richard Sickert and his relationship to European painting and illustration. It will also broadly explore the various artistic movements and new developments (i.e. Impressionism, Post-Impressionism, and the Avant-Garde) during this period, particularly in relation to Sickert and British art but also within European art as a whole. The module will also explore relevant themes and subjects developed by these movements and will explore a broad range of critical and theoretical texts, written both by Sickert and by a number of key figures during this period.				
Pre-requisite(s):	If not already passed you must take AH2901 and take AH1901			
Co-requisite(s):	If not already passed you must take AH2901 and take AH1901			
Learning and teaching methods of delivery:	Weekly contact: 1 x 3-hour session: lecture and tutorial (x 14 weeks), optional office hour (x 14 weeks), 9-hour fieldtrip.			
	Scheduled learning: 65 hours		Guided independent study: 235 hours	
Assessment pattern:	As used by St Andrews: Coursework (2 Visual Tests = 25%, 1 x 3,500-word essay = 50%, 1,500-word Visual Analysis Paper = 25%) = 100%			
Re-assessment pattern:	1 x Written Assignment to be agreed by the Board of Examiners			
Module coordinator:	Dr W W Rough			
Module teaching staff:	Dr W Rough			

AH3902 The Country, City and Society in Nineteenth-Century French Art				
SCOTCAT Credits:	30	SCQF Level 9	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Mon 6.30 - 9.30 pm			
This module will examine French Art, Society and Culture as demonstrated through a study of Realist, Impressionist, Post-Impressionist and Avant-Garde paintings c.1840 - c.1900. In particular it will explore the various social and class themes affecting the notions of City versus Country. It will also explore the variety of contemporary artistic and literary texts paying particular attention to the broad range of critical and theoretical texts, written by key figures, during this period. It will also explore modern critical theories and readings of the works and the period in general.				
Pre-requisite(s):	If not already passed you must take AH2901 and take AH1901			
Anti-requisite(s)	You cannot take this module if you take AH3111			
Co-requisite(s):	If not already passed you must take AH2901 and take AH1901			
Learning and teaching methods of delivery:	Weekly contact: 1 x 3-hour session: lecture and tutorial (x 14 weeks), optional office hour (x 14 weeks), 9-hour fieldtrip.			
	Scheduled learning: 65 hours		Guided independent study: 235 hours	
Assessment pattern:	As used by St Andrews: Written Assessment = 100%			
Re-assessment pattern:	1 x Written Assignment to be agreed by the Board of Examiners			
Module coordinator:	Dr W W Rough			
Module teaching staff:	Dr W Rough			

Astronomy (AS) modules

AS1901 The Physical Universe			
SCOTCAT Credits:	20	SCQF Level 7	Semester
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Wed 6.30 - 9.30 pm		
This module presents a descriptive, non-mathematical account of the physical universe. It is divided into two components: concepts in astronomy, dealing with our understandings of the properties and ages of planets, stars, galaxies, and their distributions in space, cosmology and the origin of the Universe; and concepts in physics, dealing with our understandings of the nature of light and matter, the structure of atoms, fundamental particles and their links to cosmology.			
Pre-requisite(s):	Admission to the evening degree programme		
Anti-requisite(s)	You cannot take this module if you take AS1001 or take AS1002 or take AS1101 or take PH1011 or take PH1012		
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.75-hour session: lectures and/or labs or seminars.		
	Scheduled learning: 38 hours	Guided independent study: 162 hours	
Assessment pattern:	As used by St Andrews: Coursework (essays) = 50%, Class tests = 50%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module teaching staff:	TBC		
Additional information from Schools:	Please see also the information in the School's Handbook for First and Second Level modules available via st-andrews.ac.uk/physics/staff_students/timetables.php . This link also gives access to timetables for such modules.		

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Biology (BL) modules

BL3901 Current Topics in Biology			
SCOTCAT Credits:	15	SCQF Level 9	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Tue 6.30 - 8.30 pm		
This module aims to introduce the student to critical reading of scientific literature. The tutorial-based style requires assigned reading, literature research, presentations and discussion of agreed topics of current interest in Biology. Knowledge of biological topics and methods and skills in literature research, interpretation, and scientific criticism, discussion and writing will be developed. Each student will focus on one theme or field of biology, for example, sustainability, ecology, causes and treatment of diseases, or other topics within the expertise of the academic staff.			
Pre-requisite(s):	Before taking this module you must pass BL1901 and pass BL2901		
Learning and teaching methods of delivery:	Weekly contact: 1 x 2-hour session.		
	Scheduled learning: 24 hours	Guided independent study: 126 hours	
Assessment pattern:	As used by St Andrews: 2-hour Written Examination = 40%, Coursework = 60%		
Re-assessment pattern:	3-hour Written Examination = 100%		
Module teaching staff:	To Be Confirmed		

BL3902 Biology Literature Review			
SCOTCAT Credits:	15	SCQF Level 9	Semester 2
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Tue 6.30 - 8.30 pm		
Building on the knowledge of biological topics and methods, and using the skills in literature research, interpretation, and scientific criticism, discussion and writing developed in BL3901, each student will conduct an independent study of the literature on an approved topic, discuss it with the assigned supervisor, and write an extended critical report on the topic.			
Pre-requisite(s):	Before taking this module you must pass BL3901		
Learning and teaching methods of delivery:	Weekly contact: 1 tutorial every second week.		
	Scheduled learning: 24 hours	Guided independent study: 126 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100% (written thesis + oral presentation)		
Re-assessment pattern:	Resubmission of failed item(s) of Coursework		
Module teaching staff:	Dr I Matthews		

Earth & Environmental Sciences (ES) modules

ES1901 Understanding Geology			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Mon 6.30 - 9.30 pm		
This module introduces the student to modern theories of the Earth's formation, how it works and how it has evolved through time. Lectures and practical sessions will cover the study of crystals, minerals, rocks and fossils. The formation of igneous, sedimentary and metamorphic rocks, and of economic mineral deposits, will be considered within the context of Plate Tectonics. The fascinating geology of Scotland will be described and the module culminates with a short field excursion to examine rocks around St Andrews.			
Anti-requisite(s)	You cannot take this module if you take ES1001 or take ES1002		
Learning and teaching methods of delivery:	Weekly contact: 1 x 3-hour session: lectures and practicals, plus fieldwork and tutorials		
	Scheduled learning: 39 hours	Guided independent study: 161 hours	
Assessment pattern:	As used by St Andrews: 2-hour Written Examination = 33%, Coursework = 67%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Mrs R E Garton		
Module teaching staff:	Earth and Environmental Sciences staff		

ES2901 Exploring Earth and Environmental Sciences			
SCOTCAT Credits:	20	SCQF Level 8	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme.		
Planned timetable:	Monday 6.30-9.30pm. Field trip 10.00am-1.00pm Saturday 29th September 2018		
This module is designed to build on the ES1901 module and develop further methods and concepts in geology. The module will include: an understanding of optical properties of minerals and the use of the petrological microscope to determine the formation of rocks; an introduction to geochemical and geophysical methods and data acquisition to give more detailed insights into the Earth's composition and structure; how weathering and glaciations sculpt the Earth's surface; the interpretation of geological maps to understand the geological record. The module includes a short field trip, from which students can make their own geological map and where some of the techniques covered during the course can be applied to rock formations in Fife.			
Pre-requisite(s):	If not already passed you must take ES1901		
Anti-requisite(s)	You cannot take this module if you take ES2001 or take ES2002 or take ES2003		
Co-requisite(s):	If not already passed you must take ES1901		
Learning and teaching methods of delivery:	Weekly contact: 1 x 3-hour session: lectures, practicals and a field trip.		
	Scheduled learning: 39 hours	Guided independent study: 161 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Mrs R E Garton		
Module teaching staff:	Earth and Environmental Sciences Staff		

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English (EN) modules

EN1901 Reading English				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Thu 6.30 - 9.30 pm			
In this module students are introduced to a small number of texts, in prose and verse, from the nineteenth and twentieth centuries. Emphasis is laid on (i) practical criticism, (ii) close reading, and (iii) the importance of literary-historical context.				
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5-hour session: lecture and seminar, and 1 optional consultative hour.			
	Scheduled learning: 25 hours		Guided independent study: 175 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module teaching staff:	Team taught			

EN2901 Comedy in English Literature				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Thu 6.30 - 9.30 pm			
This module builds on the work of EN1901 (Reading English) to give extended and deeper understanding of major literary texts, in drama, verse and prose, from the sixteenth century to the mid-twentieth century. The focus of the module is on comedy and comic forms of writing. This will include an introduction to theories of comedy and study of techniques of humorous writing. Since comedy is often used to comment on and criticise society, the relationship between writers and texts and the historical and social conditions of their times will also be a theme of the module, with particular reference to gender issues. The authors to be studied will include plays, poems and novels from Shakespeare to the present day.				
Pre-requisite(s):	If not already passed you must take EN1901			
Anti-requisite(s)	You cannot take this module if you take EN2002			
Co-requisite(s):	If not already passed you must take EN1901			
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5-hour session: lecture and seminar, and 1 optional consultative hour.			
	Scheduled learning: 28 hours		Guided independent study: 172 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module teaching staff:	Team taught			

EN3904 Crime and Passion in Popular Culture 1: To 1900

SCOTCAT Credits:	30	SCQF Level 9	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Tue 6.30 - 9.00 pm			
For any student of the contemporary arts, it should be apparent that crime and passion go hand in hand, and few cultural works can be said to evade these categories entirely. Indeed, the terms themselves, 'crime' and 'passion', are more complex than they may initially appear to be, and their application in studying the arts is rich with potential. This module, along with its companion (which covers the period since 1900), will give students some insight into what these terms might mean, and how they have impacted on popular culture through the ages.				
Pre-requisite(s):	Before taking this module you must take EN2901			
Anti-requisite(s)	Students may not take any full-time module in english			
Learning and teaching methods of delivery:	Weekly contact: 1 lecture and 1 x 1.5-hour seminar			
	Scheduled learning: 25 hours		Guided independent study: 275 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	Coursework = 100%			
Module coordinator:	Dr J D Byatt			
Module teaching staff:	Dr Emma Jones (EJ26)			

EN3905 Crime and Passion in Popular Culture 2: Since 1900

SCOTCAT Credits:	30	SCQF Level 9	Semester	2
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Tue 6.30 - 9.00 pm			
Though it may seem like a rather narrow view, crime and passion are, arguably, the driving forces behind every branch of the arts. During this course, we'll be unpacking these deceptively simple terms, 'crime' and 'passion', with the intention of determining the motivating factors behind, persistent themes in, and popular responses to, a number of major works that have appeared since 1900. Many questions will be raised and addressed along the way. What, for example, constitutes a 'crime'? Is it a simple problem of legislature, or is there an ongoing tension between legislation and ethical common sense? What is 'passion', and in what forms can it become manifest? Looking back over the long twentieth century, we will be thinking about these terms, how the arts have addressed them, and how, both individually and collectively, we can be inspired, influenced, enlightened and (potentially) corrupted by artistic output.				
Pre-requisite(s):	Before taking this module you must take EN2901			
Anti-requisite(s)	Students may not take any full-time module in english			
Learning and teaching methods of delivery:	Weekly contact: 1 lecture and 1 x 1.5-hour seminar			
	Scheduled learning: 28 hours		Guided independent study: 272 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	Coursework = 100%			
Module coordinator:	Dr J D Byatt			
Module teaching staff:	OBR_TEXT=Dr Oliver Hazzard (ORH)			

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Information Technology (IS) modules

IS1901 Information Technology 1			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Tue 6.30 - 9.30 pm		
<p>The module consists of two streams. One is a practical stream featuring commonly used application software for word processing, spreadsheets, presentations and web authoring. Topics covered in this stream will provide a range of transferable skills for use in the effective and efficient production of documents such as essays and CV's, producing and delivering presentations, and evaluating and contributing to the World Wide Web. The other is a conceptual stream aimed at presenting an overview of the place of computers in society with perspectives relating to some of the historical, social and ethical issues that should be considered when using computers in a business, educational or home environment.</p>			
Learning and teaching methods of delivery:	Weekly contact: 1 x 3-hour session: lectures, tutorials, seminars, presentations and supervised practicals, home study, essays and practical work.		
	Scheduled learning: 39 hours	Guided independent study: 161 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100% (including class tests)		
Re-assessment pattern:	No Re-assessment available		
Module teaching staff:	TBC Module coordinator(s): Evening Degree Coordinator - Computer Science (evening-coord-cs@st-andrews.ac.uk)		

IS2901 Information Technology 2			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Tue 6.30 - 9.30 pm		
<p>We are increasingly reliant on Internet-based services for a variety of routine tasks, for example, searching: Google; e-commerce: Amazon; e-government: Fife Council; travel: Network Rail timetable; management of educational processes: MMS. This module provides insight into the technologies and concepts that are used in the design, construction and deployment of such services. The main practical focus will be on the design and use of databases and advanced authoring, leading to an understanding of their combined use in the production of dynamic websites. This will be complemented by a conceptual stream drawn from areas within Electronic Commerce. No more than 50% of the material in this module will involve working directly with software, to ensure that the module is amenable to home study.</p>			
Pre-requisite(s):	If IS1901 has not been passed prior accreditation of learning or special permission of the school is required.		
Learning and teaching methods of delivery:	Weekly contact: 1 x 3-hour session: lectures, tutorials, seminars, presentations and supervised practicals.		
	Scheduled learning: 42 hours	Guided independent study: 158 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100% (including class tests)		
Re-assessment pattern:	No Re-assessment available		
Module teaching staff:	TBC Module coordinator(s): Evening Degree Coordinator - Computer Science (evening-coord-cs@st-andrews.ac.uk)		

IS3901 Information Technology 3				
SCOTCAT Credits:	30	SCQF Level 9	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Tue 6.30 - 9.30 pm			
<p>This third-level Evening Degree module develops the topics introduced in IS2901. It provides a deeper understanding of the technologies and concepts underlying the design and implementation of database-driven web applications and introduces the complementary concepts of information security and usability in the context of interactive websites. The module consists of 2 streams: practical and conceptual. The practical stream focuses on the use of a scripting language in the creation of dynamic web pages; the conceptual stream draws from selected topics in Information Security, Usability, and Database design theory. No more than 50% of the material in this module will involve working directly with software, to ensure that the module is amenable to home study.</p>				
Pre-requisite(s):	If IS2901 has not been passed, prior accreditation of learning is required			
Learning and teaching methods of delivery:	Weekly contact: 1 x 3-hour session per week: lectures, tutorials, seminars, presentations and supervised practicals.			
	Scheduled learning: 39 hours		Guided independent study: 261 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100% (including a class test)			
Re-assessment pattern:	No Re-assessment available			
Module teaching staff:	TBC Module coordinator(s): Evening Degree Coordinator - Computer Science (evening-coord-cs@st-andrews.ac.uk)			

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Management (MN) module

MN2901 The Effective Manager			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Thu 6.30 - 9.00 pm		
<p>The underpinnings of effective management are considered in this module which provides students with the opportunity to examine critically the nature of contemporary thinking about management in organisations and the contexts within which it takes place. Students are encouraged to relate the content to their own management experience and practice and to develop a reflexive approach to their own management development. The module will feature an interactive style of teaching/learning which will emphasise small group work, practical exercises and discussions alongside the traditional lecture. Assessment for the module will be based on individual assignments that will emphasise the practical application of knowledge and understanding. There are no examinations for this module.</p>			
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5-hour session (lecture, seminar, practical) (x 13 weeks)		
	Scheduled learning: 33 hours	Guided independent study: 167 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	An alternative project of up to 3,000 words = 100%		
Module coordinator:	Mr M J Dowling		
Module teaching staff:	Team taught		

Mediaeval History (ME) module

ME2901 Introduction to Early Mediaeval Europe, 400 - 1000			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme.		
Planned timetable:	Mon 6.30 pm - 9.00 pm		
<p>This module introduces students to the history of Europe between the fall of the Roman Empire and the year 1000. The Middle Ages began with the crisis of the Roman Empire in the fifth century and the centuries that followed saw the origins of many modern European polities. Students will examine how political, cultural and social life changed in post-Roman Europe in response to major upheavals. The first half of the module focuses on the period up to the ninth century, exploring how the West dealt with the collapse and rebuilding of empire. In the second half, students will explore how new challenges were posed by new invaders, new ideas, and changes in the structures of society.</p>			
Learning and teaching methods of delivery:	Weekly contact: 1 x 1.5 hour lecture, 1 x 1 hour tutorial		
	Scheduled learning: 28 hours	Guided independent study: 176 hours	
Assessment pattern:	As used by St Andrews: Coursework (Including Class test 30%) = 100%		
Re-assessment pattern:	3,000- to 4,000-word Essay = 100%		
Module coordinator:	Dr S L Greer		
Module teaching staff:	Miss S Greer		

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Philosophy (PY) modules

PY1901 Morality and Human Nature				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Wed 6.30 - 9.30 pm			
<p>This module will address aspects of what it is to be human, and to be a moral agent confronted with particular moral issues in the world. We will consider how aspects of our human nature have a bearing on the nature of moral agency and moral responsibility (e.g. by exploring issues of personal identity and free will), as well as considering some pressing moral problems (such as life-and-death issues like euthanasia and abortion; and issues arising from obligations we have to others - human or nonhuman). This module will provide a useful and stimulating introduction to some of the core questions of philosophy, from metaphysics to ethics.</p>				
Anti-requisite(s)	You cannot take this module if you take PY1103 or take PY1105 or take PY1801 or take PY1011			
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5 hour session: lectures and tutorials.			
	Scheduled learning: 33 hours		Guided independent study: 167 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	1 or more essays totaling no more than 4,500 words			
Module teaching staff:	Team taught			

PY2903 Matters of Life and Death				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme.			
Planned timetable:	Wed 6.30 - 9.30 pm			
<p>How should we think about moral problems concerning life and death? Choices about whose life to save, and whom to allow to die, must be made all the time, in the health service and elsewhere. How should these choices be made? Some actions that aim at good ends will endanger lives. Are such actions permissible? This module, rather than focusing on specific 'moral problems' (such as euthanasia, abortion, etc), deals with general questions concerning life and death, such as: Is death bad? In virtue of what is life good? Is there a morally significant difference between killing and letting die, or between intending someone's death and merely foreseeing it? On what principles would one choose between lives, when the choice is forced?</p>				
Pre-requisite(s):	Before taking this module you must pass PY1901			
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5-hour session: lectures and tutorials			
	Scheduled learning: 35 hours		Guided independent study: 165 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	1 or more essays totaling no more than 6,000 words			
Module teaching staff:	TBC			

Psychology (PS) modules

PS1901 Introduction to Psychology 1			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Thu 6.30 - 9.30 pm		
This module is designed to introduce the principles of some of the key areas of modern psychology, and to demonstrate that it is a diverse and interdisciplinary science. A major component of the module will involve treatment of the underlying psychological theory and mechanisms. Tutorial and practical sessions will introduce and demonstrate some of the principles and techniques used in psychological research. It will be assumed that entrants have no scientific background or previous knowledge of psychology.			
Pre-requisite(s):	Students must have gained entry to the part-time evening degree programme		
Anti-requisite(s)	You cannot take this module if you take PS1001 or take PS1002		
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5-hour session: lectures, practicals and tutorial work.		
	Scheduled learning: 30 hours	Guided independent study: 170 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	Coursework = 100%		
Module coordinator:	Mr P L Gardner		
Module teaching staff:	Mr P L Gardner, Dr S Pehrson		

PS2901 Introduction to Psychology 2			
SCOTCAT Credits:	20	SCQF Level 8	Semester 2
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Thu 6.30 - 9.30 pm		
This module uses PS1901 as a foundation for a more advanced treatment of key areas of psychology. The aim is to develop a more detailed appreciation of psychological science. A major component of the module involves the study of psychological theories and mechanisms that may operate in everyday life. Practical and tutorial sessions will concentrate on the measurements of psychological effects and theoretical understanding.			
Pre-requisite(s):	Before taking this module you must pass PS1901		
Anti-requisite(s)	You cannot take this module if you take PS2001 or take PS2002		
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5-hour session: lectures, practicals and tutorial work.		
	Scheduled learning: 30 hours	Guided independent study: 170 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	Coursework = 100%		
Module coordinator:	Dr S Pulver		

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PS3902 Theoretical Perspectives in Psychology			
SCOTCAT Credits:	30	SCQF Level 9	Semester 2
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Mon 6.30 - 9.30 pm		
<p>This module will take a theoretical approach to understanding key ideas at the heart of modern psychology. The aim here is to explore in detail several of the theoretical perspectives and approaches used in psychology to describe and explain human behaviour and mental processes. Students will explore how psychology approaches issues such as the nature of consciousness, defining and understanding 'normality' and 'abnormality' (from case studies to populations), the theory of mind, and the impact of evolution on the nature of being human. Current theories and debates will be studied from the perspective of individual staff members, and their research interests, within the School of Psychology. The focus will be on understanding concepts; the module is not intended to provide training in experimental psychology techniques or methodology.</p>			
Pre-requisite(s):	Before taking this module you must pass PS1901 and pass PS2901		
Anti-requisite(s)	You cannot take this module if you take PS3901		
Learning and teaching methods of delivery:	Weekly contact: 1 x 3-hour session: lectures and practicals.		
	Scheduled learning: 36 hours	Guided independent study: 264 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	Coursework = 100%		

Scottish History (SC) modules

SC1901 Mediaeval Scotland 1100 - 1513			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available only to students on the Evening Degree Programme		
Planned timetable:	Mon 6.30 - 9.30 pm		
This module offers a view of the emergence and development of Scotland during the mediaeval period, from the rule of the Canmore dynasty until the reign of James IV. Particular emphasis is placed on the themes of national identity, tensions between central government and outlying areas, the development and influence of the Scottish Church and the complex issues of warfare and diplomacy with England and contemporary European powers.			
Pre-requisite(s):	Students must have gained entry to the part-time evening degree programme		
Anti-requisite(s)	You cannot take this module if you take SC1001 or take SC2003		
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5-hour session: lectures and seminars.		
	Scheduled learning: 27 hours	Guided independent study: 173 hours	
Assessment pattern:	As used by St Andrews: 3-hour Written Examination = 30%, Coursework = 70%		
Re-assessment pattern:	2-hour Written Examination = 100%		
Module coordinator:	Dr C A McGladdery		

Evening degree - 2018/9 - August - 2018

Social Anthropology (SA) modules

SA1901 An Introduction to Anthropology				
SCOTCAT Credits:	20	SCQF Level 7	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Wed 6.30 - 9.30 pm			
<p>This module aims to introduce evening degree students to the subject of Social Anthropology. It combines an examination of some of the core theoretical debates of the discipline with close reading and analysis of some classic ethnographic texts. Students will learn about anthropological modes of thinking through case studies of particular cultures and societies around the world. They will also be introduced to the anthropological method of research and to some of the historical conditions for the subject's emergence and development over time. By the end of the module students will have a keen sense of what anthropologists do, how they look at the world and what terms of analysis they utilise. They will also have a strong sense of the plurality of cultures in the world and the limits of many aspects of their own society or culture. Anthropologists stress the importance of understanding other ways of life. It is this increased understanding of a shared planet that is the invaluable gift that anthropology has to offer.</p>				
Pre-requisite(s):	Students must have gained entry to the part-time evening degree programme			
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5 hour session: lectures and seminars.			
	Scheduled learning: 27 hours		Guided independent study: 173 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	2 x 2,000-word Essays = 100%			
Module coordinator:	Dr K L Lane			
Module teaching staff:	Dr Karen Lane			

SA2901 Today's World				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Evening Degree Programme			
Planned timetable:	Wed 6.30 - 9.30 pm			
<p>This module investigates ways in which anthropological ideas and approaches can be used to understand the complexities of today's world. This module will situate anthropological works dealing with important themes in current world: economic, social and political debates such as development, climate change, and the indigenous people's political movement, within wider past and present frameworks of anthropological thought. We aim to show Evening Degree students the importance of anthropology as a discipline in understanding contemporary social phenomena as well as reinforcing the anthropological understanding and tools they were introduced to in SA1901.</p>				
Pre-requisite(s):	Before taking this module you must pass SA1901			
Learning and teaching methods of delivery:	Weekly contact: 1 x 2.5-hour session per week: lectures and seminars.			
	Scheduled learning: 27 hours		Guided independent study: 173 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	5,000-word Essay = 100%			
Module coordinator:	Dr K L Lane			
Module teaching staff:	Dr Karen Lane			

SA3902 An Anthropology of Global Social Issues

SCOTCAT Credits:	30	SCQF Level 9	Semester	1
Academic year:	2018/9			
Availability restrictions:	Available only to Evening Degree students.			
Planned timetable:	Thu 6.30 - 9.00 pm			
This module invites students to critically assess what anthropological perspectives of the 'local' can contribute to an understanding of the 'global'. The module aims to show how ethnographically grounded research offers a unique lens for studying global social issues and new perspectives to guide action and policy aimed at tackling them. We will do this by approaching six global issues through ethnographic and theoretical perspectives to see how anthropology, more than an academic discipline, is a critical tool to approach the 'real' world. In doing so, we will get glimpses of anthropology's past, rethink its role in the present, and imagine its future(s).				
Pre-requisite(s):	Before taking this module you must pass SA2901 and pass SA1901			
Learning and teaching methods of delivery:	Weekly contact: 1 x 1-hour lecture and 1 x 2-hour tutorial.			
	Scheduled learning: 27 hours		Guided independent study: 273 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	5,000-word Essay = 100%			
Module coordinator:	Dr K L Lane			
Module teaching staff:	Dr Karen Lane			

SA3903 City Life: From Ur to Athens to Motown

SCOTCAT Credits:	30	SCQF Level 9	Semester	2
Academic year:	2018/9			
Availability restrictions:	Only available to students on the Evening Degree Programme			
Planned timetable:	Lecture - Thurs 18:30 - 19:30 Practical - Thurs 19:30 - 21:30			
This module explores the diverse ways that people inhabit, engage, experience and imagine urban environments. Over half the population now live in cities and this is expected to rise to two-thirds in the next 50 years. What does it mean to be a human being in the city? Urban studies draw on a variety of disciplinary perspectives and we will address directly the benefits and challenges of an interdisciplinary approach. To begin, we review classic and modern urban theories drawing on a wide variety of examples. Next, we focus on three city case studies to see how life as experienced contributes to theoretical analysis. Finally, we consider how the city is imagined, as represented in film, literature and music, and what this adds to our understanding of urban life. From Ur to Athens to Motown, this module also incorporates academic skills training in some of the tutorials.				
Pre-requisite(s):	Student must have passed at least one level-one or level-two course in social anthropology, history, english or geography.			
Learning and teaching methods of delivery:	Weekly contact: 1-hour lecture (x11 weeks), 2-hour practical or tutorial (x11 weeks), optional office hours by appointment			
	Scheduled learning: 33 hours		Guided independent study: 253 hours	
Assessment pattern:	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	Coursework = 100%			
Module coordinator:	Dr K L Lane			
Module teaching staff:	Dr K Lane			

Biology (BL) distance learning modules

BL1801 The Global Aquaculture Industry (by Distance Learning)				
SCOTCAT Credits:	10	SCQF Level 7	Semester	Both
Academic year:	2018/9			
Availability restrictions:	Available only for students on the Undergraduate Certificate in Sustainable Aquaculture			
Planned timetable:	To be arranged.			
The module will introduce the concept and definition of aquaculture and describe the global industry in the main production regions. The module will also consider the concept of sustainability; outlining the major environmental, social and economic factors involved. Major species produced will be defined and grouped in terms of bony fishes (teleosts), shrimp, shellfish, algae and other species. The main issues and challenges relating to the development of sustainability in aquaculture will be introduced and discussed.				
Learning and teaching methods of delivery:	Weekly contact: 2-hour on-line lectures and 2-hour interactive on-line learning each week over 12 weeks.			
	Scheduled learning: 60 hours		Guided independent study: 40 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr N Hazon			
Module teaching staff:	Dr J A David			

BL2802 Fish and Invertebrate Biology (by Distance Learning)				
SCOTCAT Credits:	10	SCQF Level 8	Semester	Both
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Undergraduate Certificate in Sustainable Aquaculture			
Planned timetable:	To be arranged.			
This module will address the essential aspects of fish and invertebrate biology including anatomy, physiology and environmental requirements. Subjects studied will include anatomy and physiology of the circulatory, respiratory, nervous, digestive sensory endocrine reproductive systems and life cycle of invertebrate and vertebrate aquaculture species. These parameters will be examined in the context of biological requirements and sustainable aquaculture; production methods and technology, effect of water quality, disease, nutrition and environmental impact.				
Learning and teaching methods of delivery:	Weekly contact: 2-hour on-line lectures and 2 hour interactive on-line learning each week over 12 weeks.			
	Scheduled learning: 60 hours		Guided independent study: 40 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr N Hazon			
Module teaching staff:	Dr J A David			

Distance learning - 1000 & 2000 Level - 2018/9 - August - 2018

BL2803 Aquaculture - Products and Markets (by Distance Learning)				
SCOTCAT Credits:	10	SCQF Level 8	Semester	Both
Academic year:	2018/9			
Availability restrictions:	Available only to students on the Undergraduate Certificate in Sustainable Aquaculture			
Planned timetable:	To be arranged.			
<p>This module provides an understanding of the diversity of species, value of markets and global trade of aquaculture products. The module will review the range of products for finfish and invertebrates. In particular the importance of value added and niche products will be examined in a variety of aquaculture products. The module will examine critically the different markets for aquaculture products; for example a comparison of subsistence farming in Malawi for local consumption with production of high value marine species for export in Brazil. For major aquaculture species such as salmon and shrimp the effects of the main market pressures on sustainable production such as use of medicines, food safety, quality and traceability will be discussed.</p>				
Learning and teaching methods of delivery:	Weekly contact: 2-hour on-line lectures and 2-hour interactive on-line learning each week over 10 weeks.			
	Scheduled learning: 60 hours		Guided independent study: 40 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr N Hazon			
Module teaching staff:	Dr J A David			

Philosophy (PY) distance learning modules

PY1801 Ethical Issues (by Distance Learning)			
SCOTCAT Credits:	20	SCQF Level 7	Semester 1
Academic year:	2018/9		
Availability restrictions:	(subject to sufficient student demand). Non-graduating distance-learning students only.		
Planned timetable:	No traditional classes: e-learning module.		
'Ethical Issues' provides an accessible and comprehensive introduction to the philosophical significance of the most pressing moral problems of today, e.g. euthanasia, world poverty, and the moral status of animals and the environment; as well as a guide to the rival theoretical approaches used to reflect upon these issues: consequentialism, Kantian ethics, virtue theories, and moral skepticism. The module will also address meta-ethical questions concerning the metaphysical and epistemological status of moral claims and judgements (are there moral facts? Is ethical knowledge obtainable?)			
Anti-requisite(s)	You cannot take this module if you take PY1901 or take PY1101 or take PY1103 or take PY1105 or take PY1011		
Learning and teaching methods of delivery:	Weekly contact: Via Moodle - weekly 1-hour scheduled live tutorial chat.		
	Scheduled learning: 15 hours	Guided independent study: 185 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	1 or more essays totaling no more than 4,500 words		
Module coordinator:	Dr L A Jones		
Module teaching staff:	TBC		

PY1802 Reasoning and Knowledge (by Distance Learning)			
SCOTCAT Credits:	20	SCQF Level 7	Semester 2
Academic year:	2018/9		
Availability restrictions:	(subject to sufficient student demand) Non-graduating distance-learning students only		
Planned timetable:	No traditional classes: e-learning module.		
What should we believe? How should we think? This module provides an introduction to informal modes of reasoning and to philosophical ideas about the differences between good and bad arguments. We will discuss induction and deduction, justification and knowledge, and will study elementary features of logic. The module is an essential foundation for further study in philosophy, and teaches critical and analytic skills central to many other disciplines.			
Anti-requisite(s)	You cannot take this module if you take PY1006 or take PY1012 or take PY2902		
Learning and teaching methods of delivery:	Weekly contact: Via Moodle - weekly 1-hour scheduled live tutorial chat.		
	Scheduled learning: 15 hours	Guided independent study: 185 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework = 100%		
Re-assessment pattern:	1 or more essays/critical evaluation totaling no more than 4,500 words		
Module coordinator:	Dr L A Jones		

Distance learning - 1000 & 2000 Level - 2018/9 - August - 2018

PY2801 Mind and Reality (by Distance Learning)				
SCOTCAT Credits:	20	SCQF Level 8	Semester	1
Academic year:	2018/9			
Availability restrictions:	(subject to sufficient student demand) Non-graduating distance-learning students only.			
Planned timetable:	No traditional classes: e-learning module.			
<p>What am I, and what is reality? Am I part of the scientific, law-governed material world? If so, can I really act freely? How could a material thing be conscious? Am I the same person I was ten years ago? What, fundamentally, are material things and their properties? Can we understand the nature of space and time? Is the human mind capable of proving that God exists? This module will enable students to understand and begin to answer such fundamental metaphysical questions, and to gain valuable skills in reasoning and abstract thought.</p>				
Anti-requisite(s)	You cannot take this module if you take PY1005 or take PY1010 or take PY2902			
Learning and teaching methods of delivery:	Weekly contact: Via Moodle - weekly 1-hour scheduled live tutorial chat.			
	Scheduled learning: 15 hours		Guided independent study: 185 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	1 or more essays totaling no more than 6,000 words			
Module coordinator:	Dr L A Jones			
Module teaching staff:	TBC			

PY2802 Modern Philosophy: from Descartes to Kant (by Distance Learning)				
SCOTCAT Credits:	20	SCQF Level 8	Semester	2
Academic year:	2018/9			
Availability restrictions:	(subject to sufficient student demand) Non-graduating distance-learning students only.			
Planned timetable:	No traditional classes: e-learning module			
<p>For the purposes of this module, 'modern philosophy' means philosophy written in Europe from Descartes in the mid-seventeenth century to Kant at the end of the 18th century. This was an extraordinary period in the history of western thought, when a variety of brilliant thinkers devoted themselves to working out the philosophical implications of the 'new science'. This generated questions about the extent of human knowledge, about what can be known with certainty, about perception, and about how we acquire knowledge through the senses. There was also renewed interest in morality, its foundation, and its relation to human nature. This module will critically examine the arguments of major philosophers of the modern period, including Descartes, Locke, Berkeley, Hume and Kant.</p>				
Anti-requisite(s)	You cannot take this module if you take PY2004 or take PY2901 or take PY1013			
Learning and teaching methods of delivery:	Weekly contact: Via Moodle - weekly 1-hour scheduled live tutorial chat.			
	Scheduled learning: 15 hours		Guided independent study: 185 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Re-assessment pattern:	1 or more essays totaling no more than 6,000 words			
Module coordinator:	Dr L A Jones			
Module teaching staff:	TBC			

Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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ANCIENT HISTORY

AN1001	Greek History to Alexander the Great	2018/9	20	1	11.00 am
AN1002	Rome and the Mediterranean	2018/9	20	2	11.00 am
AN2002	The Roman Empire	2018/9	20	1	4.00 pm Tue and 4.00 pm Thu
AN2003	Mediterranean Communities	2018/9	20	2	4.00 pm Tue and 4.00 pm Thu

ARABIC

AR1001	Arabic for Beginners 1	2018/9	20	1	11.00 am or, if timetable clash, 12.00 noon on Mon; 11.00 am or, if timetable clash, 12.00 noon Tue - Fri, or 4.00 pm, Tue, Thu, Fri and 9.00 am Wed, or 2.00 pm, Tue, Thu, Fri and 9 am Wed
AR1002	Arabic for Beginners 2	2018/9	20	2	11.00 am or, if timetable clash, 12.00 noon on Mon; 11.00 am or, if timetable clash, 12.00 noon Tue - Fri, or 3.00 pm Tue - Fri, or 4.00 pm, Tue, Thu, Fri and 9.00 am Wed
AR2001	Intermediate Arabic 1	2018/9	20	1	10.00 am. If timetable clash, 2.00 pm Wed, Thu and Fri, or 4.00 pm Wed, Thu and Fri
AR2002	Intermediate Arabic 2	2018/9	20	2	10.00 am. If timetable clash, 10.00 am Wed, 2.00 pm Thu and Fri, or 4.00 pm Wed, Thu and Fri
AR2004	Introduction to Classical Arab Culture	2018/9	20	1	9.00 am Mon, Tue and Thu

ART HISTORY

AH1001	The Art of the Renaissance in Italy and Northern Europe	2018/9	20	1	2.00 pm Mon, Tue, Thu (lectures)
AH1003	European Art and Architecture in the Seventeenth and Eighteenth Centuries	2018/9	20	2	2.00 pm Mon, Tue, Thu (lectures)
AH1901	Western Art from Renaissance to Baroque	2018/9	20	1(ED)	Tue 6.30 - 9.30 pm
AH2001	History and Theory of European Art, Architecture and Design from the French Revolution to Vienna 1900	2018/9	20	1	2.00 pm Mon, Tue, Thu (lectures)
AH2002	Art, Culture and Politics, from 1900 to Now	2018/9	20	2	2.00 pm Mon, Tue, Thu (lectures)
AH2901	Art in the Modern Period	2018/9	20	2(ED)	Tue 6.30 - 9.30 pm

CODING KEY	SUBJECT HEADING	NON STANDARD	(ED) = EVENING DEGREE	Page 28.1
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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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ASTRONOMY

AS1001	Astronomy and Astrophysics 1	2018/9	20	1	11.00 am lectures, one afternoon chosen from Mon, Wed and Fri with tutorial 2.00 pm - 3.00 and lab 3.00 pm - 5.30 pm
AS1002	The Physical Universe	2018/9	20	2	11.00 am
AS1101	Astrophysics (Direct Entry)	2018/9	5	1	11.00 am (4 hours of lectures/tutorials every ~ 2 weeks)
AS1901	The Physical Universe	2018/9	20	2(ED)	Wed 6.30 - 9.30 pm
AS2001	Astronomy and Astrophysics 2	2018/9	30	2	11.00 am lectures, plus Tue or Fri 2.00 pm - 3.00 pm tutorial
AS2101	Astrophysics 2	2018/9	15	2	11.00 am lectures, plus Tue or Fri 2.00 pm - 3.00 pm tutorial

BIOLOGY

BL1101	Biology 1	2018/9	20	1	10.00 am; Practical classes one per week 2.00 - 5.00 pm Mon, Tue, or Wed
BL1102	Biology 2	2018/9	20	2	10.00 am, Practical classes one per week 2.00 - 5.00 pm Mon, Tue, or Wed
BL1801	The Global Aquaculture Industry (by Distance Learning)	2018/9	10	1 & 2	To be arranged.
BL2300	Research Methods in Biology	2018/9	15	1	Lectures: 12.00 noon Tue, Thu (odd weeks) 12.00 noon Wed, Fri (even weeks) Practical classes: 2.00 - 5.00 pm Wed, Thu or Fri (weeks 3, 4, 7, 8, 9, 10)
BL2301	Cell Biology	2018/9	15	1	Lectures: 9.00 am Mon, Tue, Wed (odd weeks) 9.00 am Mon, Tue (even weeks) Practicals: 2.00 pm - 5.00 pm Mon or Tue (weeks 1, 3, 5, 8 & 10)
BL2302	Molecular Biology	2018/9	15	1	Lectures: 9.00 am Thu, Fri (odd weeks) 9.00 am Wed, Thu, Fri (even weeks) Practicals: 2.00 pm - 5.00 pm Mon or Tue (weeks 2, 4, 7, 9 & 11)
BL2303	Evolutionary Biology	2018/9	15	1	Lectures: 11.00 am Thu, Fri (odd weeks) 11.00 am Wed, Thu, Fri (even weeks) Practicals: 2.00 - 5.00 pm Thu or Fri (weeks 1, 3, 5, 8 & 10)

CODING KEY	SUBJECT HEADING	NON STANDARD	(ED) = EVENING DEGREE	Page 28.2
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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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BIOLOGY (continued)					
BL2304	Invertebrate Zoology	2018/9	15	1	Lectures: 11.00 am Mon, Tue, Wed (odd weeks) 11.00 am Mon, Tue (even weeks) Practicals: 2.00 - 5.00 pm Thu or Fri (weeks 2, 4, 7, 9 & 11)
BL2305	Cell Systems	2018/9	15	2	Lectures: 9.00 am Mon, Tue, Wed (odd weeks) 9.00 am Mon, Tue (even weeks) Practicals: 2.00 pm - 5.00 pm Mon or Tue (weeks 2, 4, 6, 8 & 10)
BL2306	Biochemistry	2018/9	15	2	Lectures: 9.00 am Thu, Fri (odd weeks), 9.00 am Wed, Thu, Fri (even weeks) Practicals: 2.00 pm - 5.00 pm Mon or Tue (weeks 1, 3, 5, 7, 9 & 11)
BL2307	Ecology	2018/9	15	2	Lectures: 11.00 am Thu, Fri (odd weeks) 11.00 am Wed, Thu, Fri (even weeks) Practicals: 2.00 pm - 5.00 pm Thu or Fri (weeks 2, 4, 6, 8 & 10)
BL2308	Vertebrate Zoology	2018/9	15	2	Lectures: 11.00 am Mon, Tue, Wed (odd weeks) 11.00 am Mon, Tue (even weeks) Practicals: 2.00 pm - 5.00 pm Thu or Fri (weeks 1, 3, 5, 7, 9 & 11)
BL2309	Applied Molecular Biology	2018/9	15	2	Lectures: 10.00 am Thu, Fri (odd weeks) 10.00 am Wed, Thu, Fri (even weeks) Practicals: 2.00 - 5.00 pm Thu or Fri (weeks 2, 4, 6, 8 & 10)
BL2310	Comparative Physiology	2018/9	15	2	Lectures: 12.00 noon Mon, Tue, (odd weeks) 12.00 noon Mon, Tue, Wed (even weeks) Practical classes: 2.00 - 5.00 pm Mon or Tue (weeks 3, 5, 7, 9, 11)
BL2802	Fish and Invertebrate Biology (by Distance Learning)	2018/9	10	1	To be arranged.
BL2802	Fish and Invertebrate Biology (by Distance Learning)	2018/9	10	2	To be arranged.
BL2803	Aquaculture - Products and Markets (by Distance Learning)	2018/9	10	2	To be arranged.
BL2803	Aquaculture - Products and Markets (by Distance Learning)	2018/9	10	1	To be arranged.

CODING KEY	SUBJECT HEADING	NON STANDARD	(ED) = EVENING DEGREE	Page 28.3
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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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CHEMISTRY					
CH1202	Introductory Chemistry for Second Year Direct Entry Students	2018/9	10	1	9.00 am or 10.00 am
CH1301	The Impact of Chemistry	2018/9	20	1	12.00 noon
CH1401	Introductory Inorganic and Physical Chemistry	2018/9	20	1	Lectures: 11.00 am, Practical classes: One per week 2.00 to 5.00 pm
CH1402	Inorganic and Physical Chemistry 1	2018/9	20	2	Lectures: 10.00 am, Practical classes: One per week 2.00 to 5.00 pm
CH1601	Organic and Biological Chemistry 1	2018/9	20	2	Lectures: 11.00 am, Practical classes: One per week 2.00 to 5.00 pm
CH2201	A First Course in Organic Chemistry	2018/9	20	1	10.00 am
CH2501	Inorganic Chemistry 2	2018/9	30	1	Lectures: 11.00 am, Practical classes: Two per week 2.00 to 5.00 pm
CH2601	Organic Chemistry 2	2018/9	30	2	Lectures: 12.00 noon, Practical classes: Two per week 2.00 to 5.00 pm
CH2603	Organic Chemistry 2 (French)	2018/9	20	2	12.00 noon on selected days according to the timetable for FR2022. Practical classes: Two per week 2.00 to 5.00 pm
CH2701	Physical Chemistry 2	2018/9	30	2	Lectures: 11.00 am, Practical classes: Two per week 2.00 to 5.00 pm
CLASSICAL STUDIES					
CL1004	Myth and Community in Ancient Greek Literature and Culture	2018/9	20	1	12.00 noon
CL1005	Images of Augustan Rome	2018/9	20	2	12.00 noon
CL2003	Early Greek Poetry and Philosophy	2018/9	20	2	9.00 am
CL2004	Culture and Thought in the Late Roman Republic	2018/9	20	1	9.00 am
COMPARATIVE LITERATURE					
CO1001	The Nineteenth-Century Novel	2018/9	20	1	1.00 pm
CO1002	Drama in the Twentieth and Twenty-first Centuries	2018/9	20	2	1.00 pm
CO2001	Good and Evil	2018/9	20	1	1.00 pm
CO2002	Journeys	2018/9	20	2	1.00 pm

CODING KEY	SUBJECT HEADING	NON STANDARD	(ED) = EVENING DEGREE	Page 28.4
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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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COMPUTER SCIENCE

CS1002	Object-Oriented Programming	2018/9	20	1	Lectures: 3.00 pm Mon and Tue, exercise classes: either 9.00 am or 10.00 am Thu and Fri
CS1003	Programming with Data	2018/9	20	2	Lectures: 3.00 pm Mon and Tue, Exercise classes: either 9.00 am or 10.00 am Wed and Thu
CS1005	Computer Science in Everyday Life	2018/9	20	1	12.00 noon
CS1006	Programming Projects	2018/9	20	2	11.00 am
CS1101	Computer Science Skills	2018/9	20	Whole Year	To be arranged.
CS2001	Foundations of Computation	2018/9	30	1	9.00 am
CS2002	Computer Systems	2018/9	30	2	9.00 am
CS2003	The Internet and the Web: Concepts and Programming	2018/9	30	1	11.00 am
CS2006	Advanced Programming Projects	2018/9	30	2	11.00 am
CS2101	Foundations of Computation (Accelerated)	2018/9	40	1	To be arranged.

DIVINITY

DI1001	Theology: Issues and History	2018/9	20	1	10.00 am Mon, Tue, Thu
DI1003	Old Testament 1: Torah and Prophets	2018/9	20	1	12.00 noon Mon, Tue, Thu
DI1004	Hebrew 1: Introduction to Hebrew Language	2018/9	20	1	4.00 pm Mon, Tue, Thu, Fri
DI1005	New Testament Greek 1	2018/9	20	2	4.00 pm Mon, Tue, Thu
DI1006	New Testament 1: Jesus and the Gospels	2018/9	20	2	12.00 noon Mon, Tue, Thu
DI1009	Introduction to World Religions	2018/9	20	1	3.00 pm Mon, Tue, Thu
DI1012	Introduction to Practical Theology and Theological Ethics	2018/9	20	2	10.00 am Mon, Tue, Thu
DI1013	Science, Religion, and the Mind	2018/9	20	1	3.00 pm Mon, Tue, Thu
DI1201	From Adam to Apocalypse: The Bible and Western Culture	2018/9	20	2	3.00 pm, Mon, Tue, Thu
DI2000	Christian Thought and Practice 1	2018/9	20	1	2.00 pm Mon, Tue, Thu
DI2001	Old Testament 2: Wisdom, Psalms, Apocalyptic and Apocryphal Literature	2018/9	20	2	11.00 am Mon, Tue, Thu
DI2002	Hebrew 2	2018/9	20	2	3.00 pm Mon, Tue, Thu
DI2003	New Testament 2: Paul and the Epistles	2018/9	20	1	11.00 am Mon, Tue, Thu
DI2006	The Early and Mediaeval Church: History, Beliefs and Practices	2018/9	20	2	2.00 pm Mon, Tue, Thu
DI2201	New Testament Greek 2	2018/9	20	1	12.00 noon Mon, Tue, Thu

EARTH & ENVIRONMENTAL SCIENCES

ES1001	Planet Earth	2018/9	20	1	12.00 noon - 1.00 pm Mon - Fri
ES1002	Earth Resources and Environment	2018/9	20	2	12.00 noon - 1.00 pm Mon - Fri; 2.00 pm - 4.00 pm Thu and Fri
ES1802	The Geological History of Scotland	2018/9	12	Summer	Mon - Fri, variable hours

CODING KEY	SUBJECT HEADING	NON STANDARD	(ED) = EVENING DEGREE	Page 28.5
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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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EARTH & ENVIRONMENTAL SCIENCES (continued)					
ES1901	Understanding Geology	2018/9	20	2(ED)	Mon 6.30 - 9.30 pm
ES2001	Dynamic Earth: The Earth System	2018/9	30	1	10.00 am - 11.00 am Mon - Fri; 2.00 pm - 5.00 pm Tue
ES2002	Dynamic Earth: Magma, Minerals and Metamorphism	2018/9	30	2	10.00 am - 11.00 am Mon, Wed, Fri; 2.00 pm - 5.00 pm Tue
ES2003	Dynamic Earth: Earth Surface Processes	2018/9	30	2	Lecture: 10.00 am - 11.00 am Tue, Thu and 2.00 pm - 3.00 pm Mon. Practical 3.00 pm - 6.00 pm Mon
ES2004	Practical and Field Skills for Earth Sciences (Direct Entrants)	2018/9	30	Whole Year	12.00 noon - 1.00 pm Mon - Fri; practical 2.00 pm - 4.00 pm Thu or Fri
ES2901	Exploring Earth and Environmental Sciences	2018/9	20	1(ED)	Monday 6.30-9.30pm. Field trip 10.00am-1.00pm Saturday 29th September 2018
ECONOMICS & FINANCE					
EC1001	Macroeconomics	2018/9	20	1	2.00 pm Mon, Tue, Thu
EC1002	Microeconomics	2018/9	20	2	2.00 pm Mon, Tue, Thu
EC1003	Mathematics for Economists	2018/9	20	1	1.00 pm - 2.00 pm Mon, Tue, Thu
EC1004	Economics	2018/9	20	1	2.00 pm Mon, Tue, Thu
EC1008	Finance	2018/9	20	2	1.00 pm Mon, Tue and Thu
EC2001	Intermediate Microeconomics	2018/9	20	2	2.00 pm Mon, Tue, Thu and some Fridays
EC2002	Intermediate Macroeconomics	2018/9	20	1	2.00 pm Mon, Tue, Thu and some Fridays
EC2203	Statistics for Economists	2018/9	20	2	12.00 noon Mon, Tue, Thu
ENGLISH					
EN1003	Culture and Conflict: An Introduction to Nineteenth- and Twentieth-Century Literature	2018/9	20	1	11.00 am
EN1004	Explorers and Revolutionaries: Literature 1680 - 1830	2018/9	20	2	11.00 am
EN1901	Reading English	2018/9	20	1(ED)	Thu 6.30 - 9.30 pm
EN2003	Medieval and Renaissance Texts	2018/9	20	1	4.00 pm
EN2004	Drama: Reading and Performance	2018/9	20	2	4.00 pm
EN2901	Comedy in English Literature	2018/9	20	2(ED)	Thu 6.30 - 9.30 pm
ENGLISH LANGUAGE TEACHING					
ET1001	English as a Foreign Language A	2018/9	20	1	3.00 pm Mon, Tue, Thu, Fri
ET1002	English as a Foreign Language B	2018/9	20	2	3.00 pm Mon, Tue, Thu, Fri
ET2001	Academic English 1	2018/9	20	1	4.00 pm Mon, Tue, Thu, Fri
ET2002	Academic English 2	2018/9	20	2	4.00 pm Mon, Tue, Thu, Fri

CODING KEY	SUBJECT HEADING	NON STANDARD	(ED) = EVENING DEGREE	Page 28.6
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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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FILM STUDIES

FM1001	Key Concepts in Film Studies	2018/9	20	1	3.00 pm Mon and Thu, Screening 7-10pm Mon
FM1002	Film History and Historiography	2018/9	20	2	3.00 pm Mon and Thu, 7.00 -10.00 pm Mon (screening)
FM2001	Modern World Cinemas	2018/9	20	1	3.00 pm Tue and Fri, 7.00 - 10.00 pm Tue (screening)
FM2002	Film Culture, Theory, Entertainment	2018/9	20	2	3.00 pm Tue and Fri, 7.00 - 10.00 pm Tue (screening)

FRENCH

FR1001	French Language and Literature 1	2018/9	20	1	9.00 am
FR1002	French Language and Literature 2	2018/9	20	2	9.00 am
FR2201	Second Level French Language (1)	2018/9	10	1	To be arranged.
FR2202	Second Level French Language (2)	2018/9	10	2	To be arranged.
FR2203	French Civilisation: from the Middle Ages to the Age of Enlightenment	2018/9	10	1	12.00 noon Wed
FR2204	French Civilisation: from the Nineteenth to the Twenty-First Century	2018/9	10	2	12.00 noon Wed
FR2205	French Literature: from the Middle Ages to the Age of Enlightenment	2018/9	10	1	12.00 noon Tue
FR2206	French Literature: from the Nineteenth to the Twenty-First Century	2018/9	10	2	12.00 noon Tue

GEOGRAPHY

GG1001	Welcome to the Anthropocene: Society, Population, Environment	2018/9	20	1	Lectures: 11.00 am Tue, Wed, Thu and tutorials: 11.00 am Mon or Fri
GG1002	A World in Crisis?	2018/9	20	2	Lectures: 11.00 am Tue, Wed, Thu and tutorials: 11.00 am Mon or Fri
GG2011	Geographies of Global Change	2018/9	30	1	Lectures: 9.00 am Mon - Fri, other classes: 2.00 pm - 4.00 pm or 4.00 pm - 6.00 pm Mon
GG2012	(Re)constructing environments, people and places	2018/9	30	2	Lectures: 9.00 am Mon - Fri, other classes: 2.00 pm - 4.00 pm Mon or 4.00 pm - 6.00 pm Mon

GERMAN

GM1001	First Level German A 1	2018/9	20	1	3.00 pm
GM1002	First Level German A 2	2018/9	20	2	3.00 pm
GM1003	First Level German B 1	2018/9	20	1	4.00 pm
GM1004	First Level German B 2	2018/9	20	2	4.00 pm
GM2003	Second Level German Language A 1	2018/9	10	1	To be arranged.
GM2004	Second Level German Language A 2	2018/9	10	2	9.00 am Mon and to be arranged.
GM2007	Second Level German Language B 1	2018/9	10	1	To be arranged.
GM2008	Second Level German Language B 2	2018/9	10	2	To be arranged.
GM2011	The Age of Goethe	2018/9	10	1	9.00 am Mon.

CODING KEY	SUBJECT HEADING	NON STANDARD	(ED) = EVENING DEGREE	Page 28.7
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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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GERMAN (continued)					
GM2012	Unification to the First World War	2018/9	10	2	To be arranged.
GM2013	Mediaeval German Language and Literature	2018/9	10	1	9.00 am Wed
GM2014	German linguistics	2018/9	10	2	9.00 am Tue
GREEK					
GK1001	Greek Language for Beginners	2018/9	20	1	10.00 am
GK1002	Greek Literature for Beginners	2018/9	20	2	10.00 am
GK1005	Greek Language and Literature 1	2018/9	20	1	10.00 am
GK1006	Greek Pastoral and Passion	2018/9	20	2	10.00 am
GK2001	The Landscape of Greek Prose (A)	2018/9	20	1	10.00 am
GK2002	The Landscape of Greek Poetry (A)	2018/9	20	2	10.00 am
GK2003	The Landscape of Greek Prose (B)	2018/9	20	1	10.00 am
GK2004	The Landscape of Greek Poetry (B)	2018/9	20	2	10.00 am
HISTORY					
HI2001	History as a Discipline: Development and Key Concepts	2018/9	20	2	11.00 am Mon, Tue and Thu
INTERDISCIPLINARY					
ID1003	Great Ideas 1	2018/9	20	1	1.00 pm Mon, 1.00 pm Tue, 1.00 pm Thu
ID1004	Great Ideas 2	2018/9	20	2	1.00 pm Mon, 1.00 pm Tue, 1.00 pm Fri
ID1006	Astrobiology: The Search for Life in the Universe	2018/9	20	2	1.00 pm
ID2003	Science Methods	2018/9	10	1	1.00 pm Mon, 1.00 pm Tue, 4.00 pm Thu
ID2005	Scientific Thinking	2018/9	15	1	Lectures: 1.00 pm Mon, Tue, Wed Tutorials: 4.00 pm - 6.00 pm Thu
INFORMATION TECHNOLOGY					
IS1901	Information Technology 1	2018/9	20	1(ED)	Tue 6.30 - 9.30 pm
IS2901	Information Technology 2	2018/9	20	2(ED)	Tue 6.30 - 9.30 pm
INTERNATIONAL RELATIONS					
IR1005	Introduction to International Relations	2018/9	20	1	10.00 am Mon, Tue, Wed
IR1006	Foreign Policy Analysis and International Security	2018/9	20	2	10.00 am Tue, Wed, Thu
IR2005	Theoretical Approaches to International Relations	2018/9	20	1	11.00 am Wed, 10.00 am Thu
IR2006	Issues in International Relations	2018/9	20	2	4.00 pm Tue, Thu

CODING KEY	SUBJECT HEADING	NON STANDARD	(ED) = EVENING DEGREE	Page 28.8
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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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ITALIAN

IT1001	Introduction to Italian Language	2018/9	20	1	Fortnightly lectures 10.00 am Mon (beginning week 2) plus language classes normally meeting at 10.00 am or 11.00 am, or 12.00 noon Mon-Fri
IT1002	Italian Language (Elementary)	2018/9	20	2	Fortnightly lectures 10.00 am Mon (beginning week 2) plus language classes/culture seminar normally meeting at 10.00 am or 11.00 am, or 12.00 noon Mon - Thu
IT1003	Italian Language Intermediate 1	2018/9	10	1	By arrangement - normally 3.00 pm
IT1004	Italian Language Intermediate 2	2018/9	10	2	By arrangement
IT1013	Italian Geographies	2018/9	10	1	Fortnightly lectures 10.00 am Mon (beginning week 2); other classes to be arranged.
IT1014	Italian Histories	2018/9	10	2	To be arranged.
IT2001	Second Level Italian	2018/9	20	1	5.00 pm Tue lecture. Seminar class and language classes to be arranged.
IT2002	Second Level Italian (Advanced)	2018/9	20	2	5.00 pm Tue lecture. Seminar class and language classes to be arranged.

LATIN

LI1001	Foundations of Language 1	2018/9	20	1	Lectures: 2.00 pm Mon, Tue, Thu Tutorial: 2.00 pm Fri
LI1002	Foundations of Language 2	2018/9	20	2	Lectures: 2.00 pm Mon, Tue, Thu Tutorial: 2.00 pm Fri
LT1001	Elementary Latin 1	2018/9	20	1	3.00 pm
LT1002	Elementary Latin 2	2018/9	20	2	3.00 pm
LT1003	World of Latin 1	2018/9	20	1	3.00 pm
LT1004	World of Latin 2	2018/9	20	2	3.00 pm
LT2001	Latin Language and Literature 1	2018/9	20	1	2.00 pm
LT2002	Latin Language and Literature 2	2018/9	20	2	2.00 pm
LT2003	Latin in Progress 1	2018/9	20	1	2.00 pm
LT2004	Latin in Progress 2	2018/9	20	2	2.00 pm

MANAGEMENT

MN1001	Organisations and Society	2018/9	20	1	4.00 pm
MN1002	Organisations and Analysis	2018/9	20	2	4.00 pm
MN2001	Management and Society	2018/9	20	1	3.00 pm
MN2002	Management and Analysis	2018/9	20	2	3.00 pm
MN2112	Enterprise and Creativity	2018/9	20	1	1.00 pm Tue and 1.00 pm Thu
MN2901	The Effective Manager	2018/9	20	2(ED)	Thu 6.30 - 9.00 pm

CODING KEY	SUBJECT HEADING	NON STANDARD	(ED) = EVENING DEGREE	Page 28.9
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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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MATHEMATICS & STATISTICS

MT1001	Introductory Mathematics	2018/9	20	1	9.00 am
MT1002	Mathematics	2018/9	20	1	9.00 am
MT1002	Mathematics	2018/9	20	2	9.00 am
MT1003	Pure and Applied Mathematics	2018/9	20	2	9.00 am
MT1007	Statistics in Practice	2018/9	20	2	11.00 am
MT1010	Topics in Mathematics: Problem-solving techniques	2018/9	10	1	10.00 am Mon (odd weeks), Wed and Fri
MT2501	Linear Mathematics	2018/9	15	2	12.00 noon Mon (odd weeks), Wed and Fri [Semester 1]; 11.00 am Mon (even weeks), Tue and Thu [Semester 2]
MT2501	Linear Mathematics	2018/9	15	1	12.00 noon Mon (odd weeks), Wed and Fri [Semester 1]; 11.00 am Mon (even weeks), Tue and Thu [Semester 2]
MT2502	Analysis	2018/9	15	1	11.00 am Mon (even weeks), Tue and Thu
MT2503	Multivariate Calculus	2018/9	15	1	12.00 noon Mon (even weeks), Tue and Thu
MT2504	Combinatorics and Probability	2018/9	15	1	11.00 am Mon (odd weeks), Wed and Fri
MT2505	Abstract Algebra	2018/9	15	2	11.00 am Mon (odd weeks), Wed and Fri
MT2506	Vector Calculus	2018/9	15	2	9.00 am Mon (even weeks), Tue and Thu
MT2507	Mathematical Modelling	2018/9	15	2	12.00 noon Mon (odd weeks), Wed and Fri
MT2508	Statistical Inference	2018/9	15	2	12.00 noon Mon (even weeks), Tue and Thu

MEDICINE

MD2001	Foundations of Medicine 1	2018/9	60	1	To be arranged.
MD2002	Foundations of Medicine 2	2018/9	60	2	To be arranged.
MD2101	Year 1 MBChB (Graduate Entry)	2018/9	180	Whole Year	Lectures - Mon 11:00 - 13:00, Tues 09:00 - 13:00, Fri 09:00 - 13:00
MD2201	The Art of the Medical Practitioner	2018/9	5	1	To be arranged.

MEDIAEVAL HISTORY

ME1003	The Fall of Rome and the Origins of Europe (400-1000)	2018/9	20	1	10.00 am Mon, Tue and Thu
ME1006	Scotland and the English Empire 1070 - 1500	2018/9	20	2	10.00 am Mon, Tue and Thu
ME2003	Mediaeval Europe (1000-1400)	2018/9	20	1	3.00 pm Mon, Tue and Thu
ME2901	Introduction to Early Mediaeval Europe, 400-1000	2018/9	20	2(ED)	Mon 6.30 pm - 9.00 pm

MIDDLE EASTERN STUDIES

MH2002	Introduction to Middle Eastern History	2018/9	20	2	3.00 pm Mon, Tue, Thu
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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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MODERN HISTORY

MO1007	The Early Modern Western World (c. 1450 - c. 1770)	2018/9	20	1	12.00 noon Mon, Tue and Thu
MO1008	Themes in Late Modern History (c. 1776 - 2001)	2018/9	20	2	12.00 noon Mon, Tue and Thu
MO2008	Scotland, Britain and Empire (c. 1500 - 2000)	2018/9	20	1	11.00 am Mon, Tue and Thu

MUSIC

MU1003	Understanding Music (A)	2018/9	20	1	3.00 pm Lectures and seminar: Mon, Tue and Thu
MU1004	Making Music	2018/9	20	2	3.00 pm Tutorials: Tue, Thu and Fri
MU1005	Reading Opera: Texts, Libretti and Music from Purcell to Stravinsky	2018/9	20	1	10.00 am - Lectures Mon and Thu, Viewing Sessions Tue and Wed
MU1006	An Introduction to Ethnomusicology: why, and how, human beings are musical	2018/9	20	2	10.00 am - Lectures Mon, Tue and Thu.
MU1013	Understanding Music (B)	2018/9	20	1	3.00 pm Lectures and seminar: Mon, Tue and Thu
MU2001	Advanced Performance	2018/9	20	Whole Year	Tutorials 10.00 am every second Tue (normally even-numbered weeks, with adjustment in semester 1 to accommodate the ILW). Other classes to be arranged.
MU2002	Scottish Music	2018/9	20	2	9.00 am Tue, Wed and Thu
MU2002	Scottish Music	2018/9	20	1	9.00 am Tue, Wed and Thu
MU2004	Electronic Music	2018/9	20	2	2.00 pm Mon, Thu and Fri
MU2006	Music Leadership	2018/9	20	1	1.00 pm - 2.00 pm Mon, Thu

PERSIAN

PR1001	Persian for Beginners 1	2018/9	20	1	2.00 pm Mon to Fri
PR1002	Persian for Beginners 2	2018/9	20	2	2.00 pm Mon to Fri
PR2001	Intermediate Persian 1	2018/9	20	1	1.00 pm Mon to Fri
PR2002	Intermediate Persian 2	2018/9	20	2	1.00 pm Mon to Fri

PHILOSOPHY

PY1010	Mind and World	2018/9	20	1	11.00 am - 12.00 noon Mon, Tue, Thu, and occasional Fri
PY1011	Moral and Political Controversies	2018/9	20	1	5.00 pm - 6.00 pm Mon, Tue, Thu, and occasional Fri
PY1012	Reasoning	2018/9	20	2	5.00 pm - 6.00 pm Mon, Tue, Thu, and occasional Fri
PY1013	The Enlightenment	2018/9	20	2	11.00 am - 12.00 noon Mon, Tue, Thu

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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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PHILOSOPHY (continued)

PY1801	Ethical Issues (by Distance Learning)	2018/9	20	1	No traditional classes: e-learning module.
PY1802	Reasoning and Knowledge (by Distance Learning)	2018/9	20	2	No traditional classes: e-learning module.
PY1901	Morality and Human Nature	2018/9	20	1(ED)	Wed 6.30 - 9.30 pm
PY2010	Intermediate Logic	2018/9	20	1	2.00 pm - 3.00 pm Mon, Tue, Thu and occasional Fri
PY2011	Foundations of Western Philosophy	2018/9	20	1	3.00 pm - 4.00 pm Mon, Tue, Thu and occasional Fri
PY2012	Meaning and Knowing	2018/9	20	2	2.00pm - 3.00 pm Mon, Tue, Thu and occasional Fri
PY2013	Moral and Aesthetic Value	2018/9	20	2	3.00 pm - 4.00 pm Mon, Tue, Thu and occasional Fri
PY2801	Mind and Reality (by Distance Learning)	2018/9	20	1	No traditional classes: e-learning module.
PY2802	Modern Philosophy: from Descartes to Kant (by Distance Learning)	2018/9	20	2	No traditional classes: e-learning module
PY2903	Matters of Life and Death	2018/9	20	2(ED)	Wed 6.30 - 9.30 pm

PHYSICS

PH1011	Physics 1A	2018/9	20	1	12.00 noon lectures, one afternoon from five each week, 2.00 pm - 3.00 pm tutorial and 3.00 pm -5.30 pm lab
PH1012	Physics 1B	2018/9	20	2	12.00 noon lectures; One afternoon from up to five per week, 2.00 pm - 3.00 pm tutorial, 3.00 pm - 5.30 pm lab
PH1501	Mathematics for Physicists 1A	2018/9	20	1	To be arranged.
PH1502	Physics Skills 1A	2018/9	20	1	To be arranged.
PH1503	Physics Skills 1B	2018/9	20	2	To be arranged.
PH2011	Physics 2A	2018/9	30	1	10.00 am lectures; one problem solving workshop and lab chosen from Tue, Thu or Fri (2.00 pm - 5.30 pm); one tutorial to be arranged.
PH2012	Physics 2B	2018/9	30	2	10.00 am lectures; one problem solving workshop and lab chosen from Tue, Thu or Fri (2.00 pm - 5.30 pm); one tutorial to be arranged.

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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
PSYCHOLOGY					
PS1001	Psychology 1	2018/9	20	1	Lecture 12.00 noon - 1:00 pm Mon, Wed, Thu & Fri. 2-hour workshop: one of Mon 10-12, 2-4, 4-6, Tues 9-11, 11-1, 2-4
PS1002	Psychology 2	2018/9	20	2	Lecture 12.00 noon - 1:00 pm Mon, Wed, Thu & Fri. 2-hour workshop: one of Mon 10-12, 2-4, 4-6, Tues 9-11, 11-1, 2-4
PS1901	Introduction to Psychology 1	2018/9	20	1(ED)	Thu 6.30 - 9.30 pm
PS2001	Psychology 1	2018/9	30	1	Lecture 10.00 am - 11.00 am Mon, Tue, Wed, Fri; 3 hour practical (one of Wed 2-5pm, Thur 10-1pm, Thur 3-6pm)
PS2002	Psychology 2	2018/9	30	2	Lectures: 10.00 am - 11:00 am Mon, Tue, Wed, Fri; 3-hour practical (one of Wed 2-5pm, Thu 10-1pm, Thu 3-6pm)
PS2901	Introduction to Psychology 2	2018/9	20	2(ED)	Thu 6.30 - 9.30 pm
RUSSIAN					
RU1001	Elementary Russian Language 1	2018/9	20	1	11.00 am plus 1 oral hour to be arranged.
RU1002	Elementary Russian Language 2	2018/9	20	2	11.00 am plus 1 oral hour to be arranged.
RU1005	Advanced Elementary Russian Language and Literature 1	2018/9	20	1	4.00 pm plus 1 hour to be arranged.
RU1006	Advanced Elementary Russian Language and Literature 2	2018/9	20	2	4.00 pm plus 1 hour to be arranged.
RU2100	Intermediate Russian (Summer Course)	2018/9	40	Whole Year	20 hours per week for 8 weeks.
RU2201	Intermediate Russian Language 1	2018/9	20	1	3.00 pm plus 1 oral hour to be arranged.
RU2202	Intermediate Russian Language 2	2018/9	20	2	10.00 am plus 1 oral hour to be arranged.
RU2203	Advanced Intermediate Russian Language 1	2018/9	20	1	3.00 pm plus 1 oral hour to be arranged.
RU2204	Advanced Intermediate Russian Language 2	2018/9	20	2	3.00 pm plus 1 oral hour to be arranged.
RU2205	Intermediate Russian Literature and Culture 1	2018/9	10	1	To be confirmed
RU2206	Intermediate Russian Literature and Culture 2	2018/9	10	2	To be confirmed
SCOTTISH HISTORY					
SC1901	Mediaeval Scotland 1100 - 1513	2018/9	20	1(ED)	Mon 6.30 - 9.30 pm
SOCIAL ANTHROPOLOGY					
SA1001	Anthropology in the World	2018/9	20	1	4.00 pm

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Module Code	Module Title	Year (s)	Credits	Semester	Planned Timetable
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SA1002	Ways of Thinking	2018/9	20	2	4.00 pm Lectures (Mon, Tue, Thu, Fri)
SA1901	An Introduction to Anthropology	2018/9	20	1(ED)	Wed 6.30 - 9.30 pm
SA2001	The Foundations of Social Anthropology	2018/9	20	1	11.00 am
SA2002	Ethnographic Encounters	2018/9	20	2	11.00 am Lectures (Mon, Tue, Thu, Fri)
SA2901	Today's World	2018/9	20	2(ED)	Wed 6.30 - 9.30 pm
SPANISH					
SP1001	Spanish Language and Texts 1	2018/9	20	1	12.00 noon
SP1002	Spanish Language and Texts 2	2018/9	20	2	12.00 noon
SP1003	Spanish for Beginners 1	2018/9	20	1	2.00 pm or, if timetable clash, 3.00 pm.
SP1004	Spanish for Beginners 2	2018/9	20	2	2.00 pm or, if timetable clash, 3.00 pm.
SP2001	Spanish Language and Critical Approaches to Texts 1	2018/9	20	1	11.00 am
SP2002	Spanish Language and Critical Approaches to Texts 2	2018/9	20	2	11.00 am
SP2005	Spanish Language and Texts: ex-Beginners	2018/9	20	1	11.00 am
SP2006	Spanish Language and Critical Approaches to Cinema	2018/9	20	2	To be arranged
SP2006	Spanish Language and Critical Approaches to Cinema	2018/9	20	1	To be arranged
SUSTAINABLE DEVELOPMENT					
SD1000	What is Sustainable Development?	2018/9	20	1	9.00 am Tue, Wed, Thu
SD1004	Sustainable Development Goals: Challenges & Opportunities	2018/9	20	2	9.00 am Tue, Wed, Thu
SD2001	Sustainable Development: Frameworks for Implementation	2018/9	30	1	1.00 pm Mon, Tue, Fri (lectures), and one of 9.00 am, 10.00 am Wed, or 10.00 am Thu (seminars/tutorials)
SD2002	Sustainable Development: Tools for Action	2018/9	30	2	1.00 pm Mon, Tue, Thu, Fri (lectures), 10.00 am and 11.00 am Tue & Wed, 9.00 am & 10.00 am Thu (seminars/tutorials), 10.00 am Wed & Thu (labs)

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