

# 2014 - 2015

## 1000 & 2000 Level Module Catalogue



University of  
St Andrews  
FOUNDED  
1413

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### 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 22), English Language Teaching Modules (section 23), Part-time Evening Degree Programme Modules (section 24) and Distance Learning Modules (section 25).

### 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.** Credits are the number of points a specific module contributes towards a recognised degree programme and are grouped according to the **level** of academic content in the module. A student's studies towards a degree will be structured in terms of modules, each of which is assigned a credit value; so, for example, 1000-level modules in the School of Art History are 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 programmes and are based on a single set of Level Descriptors that are the common reference points and definitions which provide a way of recognising learning that is outcome-based and quality-assured. 1000 level = SCQF 7, 2000 level = SCQF 8, 3000 level = SCQF 9, 4000 level = SCQF 10, 5000 level = SCQF 11.

**Semester(s).** The Semester or Semesters in which the module is taught, where 'either' means that the module is taught in both one or the other semesters, 'both' means being offered twice, and '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.** Most 1000- and 2000-level modules are taught at a set hour, for one hour, although additional tutorial times and practical times may need to be arranged. If days of the week are not specified, the class meets every day from Monday to Friday, with the usual exception of Wednesday afternoons.

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

**Pre-requisite(s).** Modules or qualifications which must be passed prior to taking a given module. Second semester modules and 2000-level or above 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 **semester** or 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.

**Required for.** This field indicates that a module is required to be passed as a pre-requisite to entry to another module.

**Programme module type.** This indicates how the module fits into various programmes of study and whether it is compulsory or optional.

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

## **Introduction - 1000 & 2000 Level 2014/15 - August 2014**

**Weekly Contact.** This is an indication of the weekly teaching provision for each student. The normal teaching period will be of one hour unless indicated otherwise. Where the pattern of teaching varies from week to week, **the average weekly contact is given.**

**Tutorial.** This is a discussion class of typically ten or fewer students.

**Seminar.** This is typically a group larger than ten students and may also involve student presentations and contributions as well as discussion.

**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.** This is a brief description of the distribution between 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.

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

**Lecturer(s)/Tutor(s).** One or more academic members of staff who are planned to deliver the content of the module.

## School of Art History

### Art History (AH) modules

AH1001 The Art of the Renaissance in Italy and Northern Europe				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	2.00 pm Mon, Tue, Thu (lectures)			
<p>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.</p> <p>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.</p>				
<b>Programme module type:</b>	Either AH1001 or AH1003 is compulsory for Art History			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial (x 11 weeks), tutor's optional office hour(x 12 weeks), field trip to Edinburgh - 8 hours			
	<b>Scheduled learning:</b> 64 hours		<b>Guided independent study:</b> 136 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr S Oosterwijk			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

AH1003 European Art and Architecture in the Seventeenth and Eighteenth Centuries				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	2.00 pm Mon, Tue, Thu (lectures)			
<p>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.</p>				
<b>Programme module type:</b>	Either AH1001 or AH1003 is compulsory for Art History			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial (x 11 weeks), tutor's optional office hour(x 12 weeks), field trip to Edinburgh - 8 hours			
	<b>Scheduled learning:</b> 64 hours		<b>Guided independent study:</b> 136 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr S Oosterwijk			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Art History - 1000 & 2000 Level - 2014/15 - August 2014

AH2001 History and Theory of European Art, Architecture and Design from the French Revolution to Vienna 1900				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	2.00 pm Mon, Tue, Thu (lectures)			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for Art History			
<b>Pre-requisite(s):</b>	Either AH1001 or AH1003			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial (x 11 weeks), tutor's optional office hour(x 12 weeks), field trip to Edinburgh - 8 hours			
	<b>Scheduled learning:</b> 64 hours		<b>Guided independent study:</b> 136 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr S Kallestrup			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

AH2002 Art, Culture and Politics, from 1900 to Now				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	2.00 pm Mon, Tue, Thu (lectures)			
<p>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'.</p>				
<b>Programme module type:</b>	Compulsory for Art History			
<b>Pre-requisite(s):</b>	Either AH1001 or AH1003			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial (x 11 weeks), tutor's optional office hour(x 12 weeks), field trip to Edinburgh - 8 hours			
	<b>Scheduled learning:</b> 64 hours		<b>Guided independent study:</b> 136 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr S Kallestrup			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

School of Biology

Biology (BL) modules

BL1101 Biology 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am; Practical classes one per week 2.00 - 5.00 pm Mon, Tue, or Wed			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for all Biology Degree Programmes			
<b>Required for:</b>	BL2101, BL2102, BL2104, BL2105, BL2106			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 x 1-hour lectures and 1 x 3-hour practical (x 11 weeks).			
	<b>Scheduled learning:</b> 88 hours		<b>Guided independent study:</b> 112 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 65%, Practical Examinations = 0%, Coursework = 35%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr A Smith			
<b>Lecturer(s)/Tutor(s):</b>	Dr D Barker, Dr W Heitler, Dr G Middleton, Dr C Peddie, Dr R Ramsay, Dr M Ritchie, Prof M Ryan, Dr J Sleeman, Dr D Jackson, Dr V Dietrich-Bischoff, Dr S Young, Dr M Bischoff, Dr H Ferreira			

BL1102 Biology 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am, Practical classes one per week 2.00 - 5.00 pm Mon, Tue, or Wed			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for all Biology Degree Programmes			
<b>Required for:</b>	BL2101, BL2102, BL2104, BL2105, BL2106			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 x 1-hour lectures (x 11 weeks) and 1 x 3-hour practical (x 8 weeks)			
	<b>Scheduled learning:</b> 79 hours		<b>Guided independent study:</b> 121 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 7%, Coursework = 43%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr I Matthews			
<b>Lecturer(s)/Tutor(s):</b>	Dr D Ferrier, Dr W Heitler, Dr I Matthews, Dr C Peddie, Dr G Miles,			

## Biology - 1000 & 2000 Level - 2014/15 - August 2014

BL2101 Cell Structure and Function			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 1
<b>Planned timetable:</b>	9.00 am; Practical classes one per week, 2.00 pm - 5.00 pm Thu or Fri		
<p>This is an introductory module covering general aspects of animal cell structure and associated physiology. The module starts with a general overview of the regulation of the cell cycle, the roles of protein complexes essential to cell shape and adhesion and the homeostatic role of ion pumps, transporters and channels in the maintenance of solute compositions in both the intra- and extra-cellular fluid compartments. The module continues with detailed structure-function relationships within cells from three major tissues - i) nerve cells and the mechanisms of generation and propagation of the action potential, ii) skeletal, cardiac and smooth muscle cells and mechanisms controlling contraction and finally iii) blood cells and O<sub>2</sub> transport, immune response, coagulation and cell signaling pathways.</p>			
<b>Programme module type:</b>	Compulsory for Biochemistry, Biomolecular Science, Cell Biology, Molecular Biology, Neuroscience and MBiochemistry. Optional for all other Biology Degree programmes.		
<b>Pre-requisite(s):</b>	Students should normally have passed or been granted exemption from BL1101 and BL1102.		
<b>Required for:</b>	BL3301, BL3303, BL3311, BL3315, PN3312, PN3313		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 x 1-hour lectures (x 11 weeks) and 1 x 3-hour practical (x 10 weeks). In addition all students studying in second year Biology are required to attend a 1-hour tutorial per week PLUS 1 lecture per week and a fortnightly computer based practical (optional times for these classes will be available).		
	<b>Scheduled learning:</b> 90 hours	<b>Guided independent study:</b> 210 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 50%, Coursework = 50%		
<b>Module Co-ordinator:</b>	Dr S Unkles		
<b>Lecturer(s)/Tutor(s):</b>	Prof F Gunn-Moore, Dr G Prescott, Prof Ian Johnston, Dr R Ramsay, Dr J Sleeman, Dr W Heitler, Dr V Dietrich-Bischoff, Dr S Unkles		



**Biology - 1000 & 2000 Level - 2014/15 - August 2014**

<b>BL2102 Zoology</b>				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am; Practical classes one per week, 2.00 pm - 5.00 pm Mon or Tue			
<p>Zoology is the study of animals, ranging from the simplest types of multicellular organisms such as sponges and jellyfish, through to humankind itself. The module surveys the animal kingdom, describing the key groups and the defining characteristics of their body plans and lifestyles, while putting this in an evolutionary context to reveal the patterns and trends in the kingdom as a whole. Special topics that are of fundamental importance to animals, such as animal communication, and the mechanisms of locomotion on land and in the sea and air, are considered in more detail. An extensive series of practical exercises reinforces and complements the lecture component of this module.</p>				
<b>Programme module type:</b>	Compulsory for Behavioural Biology, Biology and Geology, Ecology and Conservation, Evolutionary Biology, Marine Biology, Zoology. Optional for all other Biology Degree Programmes			
<b>Pre-requisite(s):</b>	Students should normally have passed or been granted exemption BL1101 and BL1102.			
<b>Required for:</b>	BL3318, BL3319			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 x 1-hour lectures ( x11 weeks) and 1 x 3-hour practical (x 9 weeks). In addition all students studying in second year Biology are required to attend a 1-hour tutorial per week PLUS 1 lecture per week and a fortnightly computer-based practical (optional times for these classes will be available).			
	<b>Scheduled learning:</b> 87 hours		<b>Guided independent study:</b> 213 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 30%, Coursework = 20%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr W Heitler			
<b>Lecturer(s)/Tutor(s):</b>	Dr W Heitler, Dr V Smith, Dr C Peddie, Dr J Wishart, Dr D Ferrier, Dr I Matthews, Dr C Paxton, Dr N Boogert, Dr V Janik, Dr J Graves, Prof P Slater			

**Biology - 1000 & 2000 Level - 2014/15 - August 2014**

<b>BL2104 Biochemistry and Molecular Biology</b>			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	9.00 am; Practical classes one per week, 2.00 pm - 5.00 pm Mon or Tue		
<p>This module will further develop the understanding and application of techniques, skills and concepts, which are integral to the revolution that has occurred in the biological sciences in recent years. The module is essential underpinning for all branches of modern biology and biochemistry. The lectures include coursework on biological molecular architecture, cellular architecture, enzymes &amp; metabolism, genomics and conclude with an introduction to the molecular basis of infection and immunity. The laboratory element will develop practical skills and the use of bioinformatics resources.</p>			
<b>Programme module type:</b>	Compulsory for Biochemistry, Biomolecular Science, Cell Biology, Molecular Biology. Optional for all other Biology Degree Programmes.		
<b>Pre-requisite(s):</b>	Students should normally have passed or been granted exemption BL1101 and BL1102		
<b>Required for:</b>	BL3301, BL3302, BL3310, BL3311		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 x 1-hour lectures (x 11 weeks) and 1 x 3-hour practical (x 9 weeks). In addition all students studying in second year Biology are required to attend a 1-hour tutorial per week PLUS 1 lecture per week and a fortnightly computer based practical (optional times for these classes will be available).		
	<b>Scheduled learning:</b> 87 hours	<b>Guided independent study:</b> 213 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 50%, Coursework = 50%		
<b>Module Co-ordinator:</b>	TBC		
<b>Lecturer(s)/Tutor(s):</b>	Dr P Coote, Dr S MacNeil, Prof J Naismith, Dr R Ramsay, Prof M Ryan, Prof M White, Dr J Nairn		

**Biology - 1000 & 2000 Level - 2014/15 - August 2014**

<b>BL2105 Ecology and Evolution</b>				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	11.00 am; Practical classes one per week, 2.00 pm - 5.00 pm Thu or Fri			
<p>Ecology and Evolution are central to our understanding of life on Earth and the relationships between all organisms and their biotic and abiotic environment. The principles of Ecology and Evolution have determined the variety and distribution of all organisms and will determine their future responses to global change. This module will introduce students to principles and patterns of Ecology, ranging from the global (for example, patterns of energy flow through ecosystems and the biogeography of organisms and communities) to the individual (competition between and within species) and the history and processes of Evolutionary Biology (Darwin, natural selection, population genetics, the evolution of sex and speciation).</p>				
<b>Programme module type:</b>	Compulsory for Behavioural Biology, Biology and Geology, Ecology and Conservation, Evolutionary Biology, Marine Biology. Optional for all other Biology degree programmes			
<b>Pre-requisite(s):</b>	Students should normally have passed or been granted exemption BL1101 and BL1102.			
<b>Required for:</b>	BL3000, BL3307, BL3308, BL3309, BL3316, BL3318, BL4301			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 x 1-hour lectures (x 11 weeks) and 1 x 3-hour practical (x 6 weeks). In addition all students studying in second year Biology are required to attend a 1-hour tutorial per week PLUS 1 lecture per week and a fortnightly computer based practical (optional times for these classes will be available).			
	<b>Scheduled learning:</b> 78 hours		<b>Guided independent study:</b> 222 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Prof M Ritchie			
<b>Lecturer(s)/Tutor(s):</b>	Dr N Bailey, Dr D Barker, Prof A Brierley, Dr M Dornelas, Dr J Graves, Prof T Meagher, Dr A Ojanguren, Prof M Ritchie, Dr D Shuker, Dr C Smith, Dr V Dietrich-Bischoff, Dr J Wishart			

**Biology - 1000 & 2000 Level - 2014/15 - August 2014**

<b>BL2106 Comparative Physiology</b>			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	12.00 noon: Practical classes one per week, 2.00 pm -5.00 pm Mon or Tue		
<p>This module covers the principles of physiological adaptation in a range of animals, including examples from all major taxa and from all habitats. Initial comparisons relating to scaling and design of animals will be followed by more specific units on: (A) Comparative principles of ionic and osmotic exchanges; water balance in aquatic and land animals, adaptations at skin, kidney, and respiratory surfaces. (B) Respiratory systems in water and on land, and associated circulatory mechanisms. (C) Principles of temperature balance; ectotherms and endotherms. (D) Feeding and digestive systems; food collection, ingestion, and absorption at different trophic levels; and waste disposal. (E) Sensory systems in different environments (especially visual, olfactory, auditory, and special senses). (F) Control systems using hormones and pheromones and (G) the immune system in a range of animals.</p>			
<b>Programme module type:</b>	Compulsory for Zoology Optional for all other Biology degree programmes		
<b>Pre-requisite(s):</b>	Students should normally have passed or been granted exemption from BL1101 and BL1102.		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 x 1-hour lectures (x 11 weeks) and 1 x 3-hour practical ( x 9 weeks). In addition all students studying in second year Biology are required to attend a 1-hour tutorial per week PLUS 1 lecture per week and a fortnightly computer based practical (optional times for these classes will be available).		
	<b>Scheduled learning:</b> 87 hours	<b>Guided independent study:</b> 213 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 63%, Practical Examinations = 0%, Coursework = 37%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 50%, Coursework = 50%		
<b>Module Co-ordinator:</b>	Prof C Todd		
<b>Lecturer(s)/Tutor(s):</b>	Dr G Prescott, Dr W Heitler, Prof I Johnston, Prof Willmer, Dr Hooker, Prof Todd, Dr V Smith, Dr J Wishart, Prof G Ruxton, Dr V Dietrich-Bischoff		

## School of Chemistry

## Chemistry (CH) modules

CH1202 Introductory Chemistry for Second Year Direct Entry Students			
<b>SCOTCAT Credits:</b>	10	SCQF Level 7	<b>Semester:</b> 1
<b>Availability restrictions:</b>	Only available to students entering Single Honours Chemistry programmes and Biomolecular Science at Level 2000		
<b>Planned timetable:</b>	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 B.Sc. and M.Chem. 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.			
<b>Programme module type:</b>	Compulsory for second year entry to Biomolecular Science, Chemistry, Chemistry with Medicinal Chemistry, Chemistry with External Placement, Chemistry with Medicinal Chemistry and External Placement, Materials Chemistry, Materials Chemistry with External Placement, Chemical Sciences		
<b>Pre-requisite(s):</b>	Advanced Higher Chemistry at Grade A, or A-Level Chemistry at Grade A	<b>Anti-requisite(s):</b>	CH1401, CH1402, CH1601
<b>Co-requisite(s):</b>	CH2501	<b>Required for:</b>	CH2601, CH2603, CH2701
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 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.		
	<b>Scheduled learning:</b> 30 hours	<b>Guided independent study:</b> 70 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%		
	<b>As used by St Andrews:</b> 1.5-hour Written Examination = 100%		
<b>Module Co-ordinator:</b>	Dr F M Gray		
<b>Lecturer(s)/Tutor(s):</b>	Prof P Lightfoot, Prof N J Westwood, Prof A D Smith, Dr R M J Goss, Dr F M Gray, Dr J B O Mitchell, Dr T van Mourik, Prof D Philp, Dr F Laibe, Prof N V Richardson		

## Chemistry - 1000 & 2000 Level - 2014/15 - August 2014

CH1301 The Impact of Chemistry				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for all qualified students			
<b>Pre-requisite(s):</b>	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)			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 lectures (x 11 weeks) and 1 group project hour (x 1 week).			
	<b>Scheduled learning:</b> 56 hours		<b>Guided independent study:</b> 144 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 70%, Practical Examinations = 20%, Coursework = 10%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, 15-minute Practical Examination = 20%, Coursework = 10%			
<b>Module Co-ordinator:</b>	Dr R A Aitken			
<b>Lecturer(s)/Tutor(s):</b>	Dr R A Aitken, Prof S E M Ashbrook, Dr P A Connor, Dr T K Smith, Prof J H Naismith, Prof J T S Irvine			

CH1401 Introductory Inorganic and Physical Chemistry				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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, states of matter, thermochemistry, thermodynamics and kinetics.				
<b>Programme module type:</b>	Compulsory for Biomolecular Science, all Degrees involving Chemistry			
<b>Pre-requisite(s):</b>	Higher or A-Level Chemistry at Grade B or above			
<b>Anti-requisite(s):</b>	CH1202	<b>Required for:</b>	CH1402	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 1 x 3-hour afternoon practical.			
	<b>Scheduled learning:</b> 82 hours		<b>Guided independent study:</b> 118 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Prof P A Wright			
<b>Lecturer(s)/Tutor(s):</b>	Prof P A Wright, Dr T van Mourik, Prof R E Morris, Dr P Kilian			

CH1402 Inorganic and Physical Chemistry 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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, properties of solutions and introductory spectroscopy.				
<b>Programme module type:</b>	Compulsory for all Degrees involving Chemistry (except Biomolecular Science)			
<b>Pre-requisite(s):</b>	CH1401 or Higher or A-Level Chemistry at Grade B or above	<b>Anti-requisite(s):</b>	CH1202	
<b>Co-requisite(s):</b>		<b>Required for:</b>	CH2701	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 1 x 3-hour afternoon practical.			
	<b>Scheduled learning:</b> 82 hours		<b>Guided independent study:</b> 118 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 5%, Coursework = 35%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, 1-hour Practical Examination = 5%, Coursework = 35%			
<b>Module Co-ordinator:</b>	Prof P Lightfoot			
<b>Lecturer(s)/Tutor(s):</b>	Dr F D Morrison, Dr F M Gray, Dr G Haehner, Prof P Lightfoot, Dr B E Bode, Dr F Laibe			

CH1601 Organic and Biological Chemistry 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for Biomolecular Science, all Degrees involving Chemistry (except Chemistry and Physics)			
<b>Pre-requisite(s):</b>	Higher or A-Level Chemistry at Grade B or above			
<b>Anti-requisite(s):</b>	CH1202	<b>Required for:</b>	CH2601, CH2603	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 1 x 3-hour afternoon practical.			
	<b>Scheduled learning:</b> 80 hours		<b>Guided independent study:</b> 120 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 5%, Coursework = 35%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, 1-hour Practical Examination = 5%, Coursework = 35%			
<b>Module Co-ordinator:</b>	Dr I A Smellie			
<b>Lecturer(s)/Tutor(s):</b>	Prof D Philp, Prof A D Smith, Dr R J M Goss			

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CH2201 A First Course in Organic Chemistry				
SCOTCAT Credits:	20	SCQF Level 8	Semester:	1
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.				
Programme module type:	Non-graduating students only			
Anti-requisite(s):	CH1202, CH1601			
Learning and teaching methods and delivery:	Weekly contact: 3 - 4 lectures, 1 tutorial, 2 afternoon practical classes.			
	Scheduled learning: 87 hours		Guided independent study: 113 hours	
Assessment pattern:	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 15%, Coursework = 25%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, 1-hour Practical Examination = 15%, Coursework = 25%			
Module Co-ordinator:	Prof D Philp			
Lecturer(s)/Tutor(s):	Dr H Mitchell, Prof D Philp			

CH2501 Inorganic Chemistry 2				
SCOTCAT Credits:	30	SCQF Level 8	Semester:	1
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, green chemistry, solid-state chemistry and descriptive main-group chemistry.				
Programme module type:	Compulsory for Biomolecular Sciences, all Degrees involving Chemistry			
Pre-requisite(s):	CH1402 or (CH1401 and CH1601) or admission to Single Honours Chemistry programmes or Biomolecular Science at Level 2000			
Co-requisite(s):	CH1202 for students entering Single Honours Chemistry programmes or Biomolecular Science at Level 2000			
Learning and teaching methods and delivery:	Weekly contact: 4 lectures, 1 tutorial and 2 x 3-hour afternoon practicals.			
	Scheduled learning: 105 hours		Guided independent study: 195 hours	
Assessment pattern:	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 5%, Coursework = 35%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, 15-minute Practical Examination = 5%, Coursework = 35%			
Module Co-ordinator:	Dr C Cazin			
Lecturer(s)/Tutor(s):	Dr P Kilian, Prof P Lightfoot, Dr C Cazin, Dr E Zysman-Colman			



CH2601 Organic Chemistry 2				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for Biomolecular Science, Chemical Sciences, Chemistry, Chemistry with External Placement, Chemistry with Medicinal Chemistry, Chemistry with Medicinal Chemistry and External Placement, Materials Chemistry, Materials Chemistry with External Placement.			
<b>Pre-requisite(s):</b>	CH1601 or (CH1202 for students entering Single Honours Chemistry programmes or Biomolecular Science at Level 2000)			
<b>Anti-requisite(s):</b>	CH2603			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 2 x 3-hour afternoon practicals.			
	<b>Scheduled learning:</b> 115 hours		<b>Guided independent study:</b> 185 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 7%, Coursework = 33%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, 1-hour Practical Examination = 7.5%, Coursework = 32.5%			
<b>Module Co-ordinator:</b>	Dr R A Aitken			
<b>Lecturer(s)/Tutor(s):</b>	Dr G J Florence, Prof J H Naismith, Dr M L Clarke, Dr R A Aitken			

CH2603 Organic Chemistry 2 (French)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for Chemistry with French, Chemistry with French and External Placement			
<b>Pre-requisite(s):</b>	students entering Single Honours Chemistry programmes or Biomolecular Science at Level 2000)			
<b>Co-requisite(s):</b>	FR2022	<b>Anti-requisite(s):</b>	CH2601	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures, 1 tutorial and 5 hours of practicals over 2 afternoons.			
	<b>Scheduled learning:</b> 76 hours		<b>Guided independent study:</b> 124 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 7%, Coursework = 33%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, 1-hour Practical Examination = 7.5%, Coursework = 33%			
<b>Module Co-ordinator:</b>	Dr R A Aitken			
<b>Lecturer(s)/Tutor(s):</b>	Dr G J Florence, Prof J H Naismith, Dr M L Clarke, Dr R A Aitken			

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CH2701 Physical Chemistry 2			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	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.			
<b>Programme module type:</b>	Compulsory for all degrees involving Chemistry (except Biomolecular Science)		
<b>Pre-requisite(s):</b>	CH1402 or (CH1202 for students entering Single Honours Chemistry programmes at Level 2000).		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 2 x 3-hour afternoon practicals.		
	<b>Scheduled learning:</b> 106 hours	<b>Guided independent study:</b> 194 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 5%, Coursework = 35%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, 1-hour Practical Examination = 5%, Coursework = 35%		
<b>Module Co-ordinator:</b>	Prof W Zhou		
<b>Lecturer(s)/Tutor(s):</b>	Dr G Haehner, Prof P A Wright, Dr F M Gray, Prof S E M Ashbrook, Dr R Schaub		

## School of Classics

## Ancient History (AN) modules

AN1001 Greek History to Alexander the Great				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am			
This module provides a broad survey of ancient Greek History from the Archaic period (c. 800 BC) to the reign of Alexander the Great, and looks at the political development of Athens and Sparta, the impact of the Athenian Empire, and Greek culture in its heyday. Alexander's conquest of the east and his fascinating personality are studied in detail. All sources are read in translation. The module will give a solid background in Greek History, and will touch on wider issues of the nature of democracy and political power, Mediterranean anthropology, and the image of the Greeks that has been invented by modern scholars.				
<b>Programme module type:</b>	Compulsory for all Ancient History Degrees. Optional for all Classical Studies Degrees, History			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 11 weeks) and 6 tutorials across the semester.			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 161 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr S Lewis			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

AN1002 Roman History from Foundation to Empire				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	11.00 am			
This module will consider the rise of Rome to world power from humble beginnings, examining the political, cultural and economic consequences of her imperialism. The module will consider in detail the social conditions which allowed Rome to sustain her enormous military burden, and the way that a multitude of factors came together to attack and finally destroy the Republican government of Rome. The module will conclude with an account of the first Roman emperor, Augustus. All sources will be in translation, and the module will give a solid background in Roman history of the Republic as well as touching on wider issues of legal and constitutional theory and cultural interaction.				
<b>Programme module type:</b>	Compulsory for all Ancient History Degrees Optional for all Classical Studies Degrees, History			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 11 weeks) and 6 tutorials across the semester.			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 161 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50% Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J Coulston			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

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AN2002 The Roman Empire				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	4.00 pm Tue and 4.00 pm Thu			
The Roman empire, at its height in the first and second centuries AD, extended from Hadrian's Wall to beyond the Euphrates. This module studies the Roman empire with particular reference both to social, religious and economic changes as well as to political and military history and concludes with a brief look at the 'crisis' of the third century. Close attention is paid to original sources in translation.				
<b>Programme module type:</b>	Optional for Ancient History, all Classical Studies Degrees, History			
<b>Pre-requisite(s):</b>	Either 40 credits in 1000-level History modules (AN, ME, MO, or SC) or 20 credits of 1000-level Ancient History (AN) and 20 credits of 1000-level Classical Studies (CL) modules.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures (x 11 weeks) and 8 tutorials across the semester.			
	<b>Scheduled learning:</b> 30 hours		<b>Guided independent study:</b> 170 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Prof G Woolf			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

AN2003 Mediterranean Communities				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	4.00 pm Tue and 4.00 pm Thu			
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.				
<b>Programme module type:</b>	Optional for Ancient History, all Classical Studies Degrees, History, Mediaeval History, Mediaeval History and Archaeology			
<b>Pre-requisite(s):</b>	Either 40 credits in 1000-level History modules (AN, ME, MO, or SC) or 20 credits of 1000-level Ancient History (AN) and 20 credits of 1000-level Classical Studies (CL) modules.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures (x 11 weeks) and 8 tutorials across the semester.			
	<b>Scheduled learning:</b> 30 hours		<b>Guided independent study:</b> 170 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr R Anderson			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Classical Studies (CL) modules

CL1004 Myth and Community in Ancient Greek Literature and Culture				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	12.00 noon			
<p>This module explores some of the most dynamic literary and artistic achievements of archaic and classical Greek culture. Using a twin focus on myth and on ideas of community, the module ranges across Homeric epic, Athenian tragedy, Aristophanic comedy, and the writings of intellectuals; it studies the relationship between texts and images in the expression of cultural values; and it examines a series of major themes in Greek views of identity, morality, politics and religion. The module is meant both for student 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>				
<b>Programme module type:</b>	Optional for all Classical Studies Degrees			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 11 weeks) and 6 tutorials across the semester.			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 161 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J Hesk			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

CL1005 Images of Augustan Rome				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Academic year:</b>	2014/5			
<b>Planned timetable:</b>	12.00 noon			
<p>This module studies a range of literary works that were written during the lifetime of the first emperor, Augustus, and that react in different ways to the new regime that he established. 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>				
<b>Programme module type:</b>	Optional for all Classical Studies Degrees			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 11 weeks) and 6 tutorials across the semester.			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 161 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J Coulston			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

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CL2003 Early Greek Poetry and Philosophy				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	9.00 am			
<p>Early Greece is 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, starting with Hesiod's struggle to re-order the world of gods and humans. We then consider the exciting literary and intellectual experiments of the successors of Hesiod and Homer, 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>				
<b>Programme module type:</b>	Optional for all Ancient History, Classical Studies Degrees			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures (x 11 weeks) and 8 tutorials across the semester.			
	<b>Scheduled learning:</b> 30 hours		<b>Guided independent study:</b> 170 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr N Wiater			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

CL2004 Culture and Thought in the Late Roman Republic				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	9.00 am			
<p>From the seething passions of Catullus' poetry, through Lucretius' poetic treatise On the Nature of Things, to the stylish rhetoric of Cicero, the module aims to set the main literary texts of the Late Roman Republic against the broader backdrop of Roman art, culture and social life. All prescribed texts will be studied in translation.</p>				
<b>Programme module type:</b>	Optional for all Ancient History, Classical Studies Degrees			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures (x 11 weeks) and 8 tutorials across the semester.			
	<b>Scheduled learning:</b> 30 hours		<b>Guided independent study:</b> 170 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr E Buckley			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Greek (GK) modules

GK1001 Greek Language for Beginners				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for all Classics, Classical Studies, Greek Degrees			
<b>Anti-requisite(s):</b>	GK1005	<b>Required for:</b>	DI2201, DI4613, DI4615, GK1002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 classes.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (4 class tests)			
<b>Module Co-ordinator:</b>	Dr J Coderch			
<b>Lecturer(s)/Tutor(s):</b>	Dr J Coderch			

GK1002 Greek Literature for Beginners				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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. One prose set text will be studied in the original Greek in such a way as both to enhance the linguistic confidence of students and to explore literary and cultural issues arising from the works. The current set text is a speech by Lysias (written for a sensational murder trial), which opens up a range of themes important for the larger history of Greek literature in its historical context.				
<b>Programme module type:</b>	Optional for all Classics, Classical Studies, Greek Degrees			
<b>Pre-requisite(s):</b>	GK1001, or equivalent knowledge of Greek.			
<b>Anti-requisite(s):</b>	GK1006	<b>Required for:</b>	GK2003, GK3021, GK3022	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 classes			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (4 class tests)			
<b>Module Co-ordinator:</b>	Dr J Coderch			
<b>Lecturer(s)/Tutor(s):</b>	Dr J Coderch			

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GK1005 Greek Language and Literature 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for all Classics, Classical Studies, Greek Degrees			
<b>Pre-requisite(s):</b>	Higher or A-level Greek or equivalent.			
<b>Anti-requisite(s):</b>	GK1001	<b>Required for:</b>	GK1006	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 or 4 classes.			
	<b>Scheduled learning:</b> 37 hours		<b>Guided independent study:</b> 163 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%; 3 class tests, 30%)			
<b>Module Co-ordinator:</b>	Dr N Wiater			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

GK1006 Greek Pastoral and Passion				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for all Classical Studies, Classics, Greek Degrees			
<b>Pre-requisite(s):</b>	GK1005, Higher or A-level Greek or equivalent.			
<b>Anti-requisite(s):</b>	GK1002	<b>Required for:</b>	GK2001	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 or 4 classes.			
	<b>Scheduled learning:</b> 38 hours		<b>Guided independent study:</b> 162 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%; 3 class tests, 30%)			
<b>Module Co-ordinator:</b>	Dr K Mantzouranis			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			



GK2001 The Landscape of Greek Prose (A)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am			
<p>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.</p>				
<b>Programme module type:</b>	Optional for all Classical Studies, Classics, Greek Degrees			
<b>Pre-requisite(s):</b>	GK1006	<b>Anti-requisite(s):</b>	GK2003	
<b>Required for:</b>	GK2002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 or 4 classes.			
	<b>Scheduled learning:</b> 36 hours		<b>Guided independent study:</b> 164 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%, 3 class tests, 30%)			
<b>Module Co-ordinator:</b>	Dr J Hesk			
<b>Lecturer(s)/Tutor(s):</b>	`Team taught			

GK2002 The Landscape of Greek Poetry (A)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am			
<p>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.</p>				
<b>Programme module type:</b>	Optional for all Classical Studies, Classics, Greek Degrees			
<b>Pre-requisite(s):</b>	GK2001	<b>Anti-requisite(s):</b>	GK2004	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 or 4 classes.			
	<b>Scheduled learning:</b> 36 hours		<b>Guided independent study:</b> 164 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%, 3 class tests, 30%)			
<b>Module Co-ordinator:</b>	Dr N Wiater			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

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GK2003 The Landscape of Greek Prose (B)				
SCOTCAT Credits:	20	SCQF Level 8	Semester:	1
Planned timetable:	10.00 am			
<p>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.</p>				
Programme module type:	Optional for all Classical Studies, Classics, Greek Degrees			
Pre-requisite(s):	GK1002	Anti-requisite(s):	GK2001	
Required for:	GK2004			
Learning and teaching methods and delivery:	Weekly contact: 3 or 4 classes.			
	Scheduled learning: 41 hours		Guided independent study: 159 hours	
Assessment pattern:	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%, 3 class tests, 30%)			
Module Co-ordinator:	Dr J Hesk			
Lecturer(s)/Tutor(s):	Team taught			

GK2004 The Landscape of Greek Poetry (B)				
SCOTCAT Credits:	20	SCQF Level 8	Semester:	2
Planned timetable:	10.00 am			
<p>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.</p>				
Programme module type:	Optional for all Classical Studies, Classics, Greek Degrees			
Pre-requisite(s):	GK2003	Anti-requisite(s):	GK2002	
Required for:	LT3017			
Learning and teaching methods and delivery:	Weekly contact: 3 or 4 classes.			
	Scheduled learning: 36 hours		Guided independent study: 164 hours	
Assessment pattern:	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (essay, 20%, 3 class tests, 30%)			
Module Co-ordinator:	Dr N Wiater			
Lecturer(s)/Tutor(s):	Team taught			

## Latin (LT) modules

LT1001 Elementary Latin 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for all Classical Studies, Classics, Latin Degrees			
<b>Anti-requisite(s):</b>	LT1003	<b>Required for:</b>	LT1002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 classes.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (4 class tests)			
<b>Module Co-ordinator:</b>	Dr J Coderch			
<b>Lecturer(s)/Tutor(s):</b>	Dr J Coderch, Dr C Addey			

LT1002 Elementary Latin 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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. There will be lectures on selected poems of Catullus at the end of the module.				
<b>Programme module type:</b>	Optional for all Classical Studies, Classics, Latin Degrees			
<b>Pre-requisite(s):</b>	LT1001	<b>Anti-requisite(s):</b>	LT1004	
<b>Required for:</b>	LT2003, LT3017			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 classes.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (4 class tests)			
<b>Module Co-ordinator:</b>	Dr J Coderch			
<b>Lecturer(s)/Tutor(s):</b>	Dr J Coderch			

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LT1003 World of Latin 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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 students 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.				
<b>Programme module type:</b>	Optional for all Classical Studies, Classics, Latin Degrees			
<b>Pre-requisite(s):</b>	Higher or A-Level Latin	<b>Anti-requisite(s):</b>	LT1001	
<b>Required for:</b>	LT1004			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 - 4 classes.			
	<b>Scheduled learning:</b> 34 hours		<b>Guided independent study:</b> 166 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40% (2 literary criticisms, 20%, 2 class tests, 20%)			
<b>Module Co-ordinator:</b>	Dr E Buckley			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

LT1004 World of Latin 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for all Classical Studies, Classics, Latin Degrees			
<b>Pre-requisite(s):</b>	LT1003	<b>Anti-requisite(s):</b>	LT1002	
<b>Required for:</b>	LT2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 - 4 classes.			
	<b>Scheduled learning:</b> 34 hours		<b>Guided independent study:</b> 166 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40% (2 literary criticisms, 20%, 2 class tests, 20%)			
<b>Module Co-ordinator:</b>	Dr E Buckley			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

LT2001 Latin Language and Literature 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for all Classical Studies, Classics, Latin Degrees			
<b>Pre-requisite(s):</b>	LT1004	<b>Anti-requisite(s):</b>	LT2003	
<b>Required for:</b>	LT2002, LT4203			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 - 4 classes			
	<b>Scheduled learning:</b> 34 hours		<b>Guided independent study:</b> 166 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40% (essay, 20%, 2 class tests, 20%)			
<b>Module Co-ordinator:</b>	Dr R Rees			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

LT2002 Latin Language and Literature 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for all Classical Studies, Classics, Latin Degrees			
<b>Pre-requisite(s):</b>	LT2001	<b>Anti-requisite(s):</b>	LT2004	
<b>Required for:</b>	LT4203			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 - 4 classes			
	<b>Scheduled learning:</b> 34 hours		<b>Guided independent study:</b> 166 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40% (essay, 20%, 2 class tests, 20%)			
<b>Module Co-ordinator:</b>	Dr E Gee			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

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LT2003 Latin in Progress 1				
SCOTCAT Credits:	20	SCQF Level 8	Semester:	1
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.				
Programme module type:	Optional for all Classical Studies, Classics, Latin Degrees			
Pre-requisite(s):	LT1002	Anti-requisite(s):	LT2001	
Required for:	LT2004, LT4203			
Learning and teaching methods and delivery:	Weekly contact: 2 - 4 classes per week, plus 5 hours of additional support classes.			
	Scheduled learning: 39 hours		Guided independent study: 161 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%)			
Module Co-ordinator:	Dr R Rees			
Lecturer(s)/Tutor(s):	Team taught			

LT2004 Latin in Progress 2				
SCOTCAT Credits:	20	SCQF Level 8	Semester:	2
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.				
Programme module type:	Optional for all Classical Studies, Classics, Latin Degrees			
Pre-requisite(s):	LT2003	Anti-requisite(s):	LT2002	
Required for:	GK3021, LT4203			
Learning and teaching methods and delivery:	Weekly contact: 3 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% (1 literary criticism, 20%, 2 class tests, 20%)			
Module Co-ordinator:	Dr E Gee			
Lecturer(s)/Tutor(s):	Team taught			

## School of Computer Science

## Computer Science (CS) modules

CS1002 Object-Oriented Programming				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am			
This module provides an introduction to object-oriented modeling and programming, using UML and Java. No previous programming experience is assumed.				
<b>Programme module type:</b>	Compulsory for Computer Science BSc, Internet Computer Science BSc, Joint Computer Science degrees, Computer Science MSci			
<b>Pre-requisite(s):</b>	Mathematics (Higher or A-Level at Grade B or better)	<b>Anti-requisite(s):</b>	CS2101	
<b>Required for:</b>	CS1003, CS1006, CS2001, CS2006			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 1 x 3-hour practical class.			
	<b>Scheduled learning:</b> 88 hours		<b>Guided independent study:</b> 112 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	first-coord-cs@st-andrews.ac.uk			

CS1003 Programming with Data				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am			
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.				
<b>Programme module type:</b>	Compulsory for Computer Science BSc, Internet Computer Science BSc, Joint Computer Science degrees, Computer Science MSci			
<b>Pre-requisite(s):</b>	CS1002	<b>Anti-requisite(s):</b>	CS2101	
<b>Required for:</b>	CS2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 1 x 3-hour practical class.			
	<b>Scheduled learning:</b> 88 hours		<b>Guided independent study:</b> 112 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	first-coord-cs@st-andrews.ac.uk			

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CS1005 Computer Science in Everyday Life				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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, personal music players, mobile telephones and social networking sites. Students are led to develop an understanding of some fundamentals of Computer Science, as well as gaining transferable skills in critical reading, research in the technical literature and essay writing.				
<b>Programme module type:</b>	Optional for all Undergraduate programmes within the School.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	first-coord-cs@st-andrews.ac.uk			

CS1006 Programming Projects				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for all Undergraduate programmes within the School.			
<b>Pre-requisite(s):</b>	CS1002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 tutorial and 2 x 3-hour practical class (x 11 weeks), fortnightly lecture.			
	<b>Scheduled learning:</b> 83 hours		<b>Guided independent study:</b> 117 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	first-coord-cs@st-andrews.ac.uk			



CS1101 Computer Science Skills A				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Computer Science (Gateway).			
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for Computer Science (Gateway) Programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 tutorials, 3 practical classes and 1 lecture.			
	<b>Scheduled learning:</b> 99 hours		<b>Guided independent study:</b> 101 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	first-coord-cs@st-andrews.ac.uk			

CS1102 Computer Science Skills B				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Computer Science (Gateway).			
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for Computer Science (Gateway) Programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 tutorials, 3 practical classes and 1 lecture.			
	<b>Scheduled learning:</b> 99 hours		<b>Guided independent study:</b> 101 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	first-coord-cs@st-andrews.ac.uk			

## Computer Science - 1000 & 2000 Level - 2014/15 - August 2014

CS2001 Foundations of Computation				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	CS2101 or CS2001 is compulsory for Computer Science BSc, Internet Computer Science BSc, Joint Computer Science degrees, Computer Science MSci			
<b>Pre-requisite(s):</b>	CS1002, CS1003	<b>Anti-requisite(s):</b>	CS2101	
<b>Required for:</b>	CS2002, CS2003, CS2006, CS3051, CS3052, CS3099, CS3101, CS3102, CS3104, CS3105, CS3106, CS3301, CS3302			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 2 x 3-hour practical class.			
	<b>Scheduled learning:</b> 121 hours		<b>Guided independent study:</b> 179 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2 x 1.5-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	second-coord-cs@st-andrews.ac.uk			

CS2002 Computer Systems				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	9.00 am			
This module develops skills in programming in C, systems programming, digital logic and low-level computer organisation.				
<b>Programme module type:</b>	Compulsory for Computer Science BSc, Internet Computer Science BSc, Joint Computer Science degrees, Computer Science MSci			
<b>Pre-requisite(s):</b>	CS2001 or CS2101			
<b>Required for:</b>	CS3051, CS3052, CS3099, CS3101, CS3102, CS3104, CS3105, CS3106, CS4201, CS4202, CS4203			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 2 x 3-hour practical class.			
	<b>Scheduled learning:</b> 121 hours		<b>Guided independent study:</b> 179 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2 x 1.5-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	second-coord-cs@st-andrews.ac.uk			

CS2003 The Internet and the Web: Concepts and Programming				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	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 document-oriented computing. Both streams introduce key concepts, current technologies, programming abstractions and the practical aspects of programming web pages and network applications.				
<b>Programme module type:</b>	Compulsory for Internet Computer Science BSc Optional for Computer Science BSc, Joint Computer Science degrees, Computer Science MSci			
<b>Co-requisite(s):</b>	CS2001 or CS2101	<b>Required for:</b>	CS3102, CS3301	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 2 x 3-hour practical class.			
	<b>Scheduled learning:</b> 121 hours		<b>Guided independent study:</b> 179 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2 x 1.5-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	second-coord-cs@st-andrews.ac.uk			

CS2006 Advanced Programming Projects				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for Computer Science BSc, Internet Computer Science BSc, Joint Computer Science degrees, Computer Science MSci			
<b>Co-requisite(s):</b>	CS2001 or CS2101			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 2 x 3-hour practical classes.			
	<b>Scheduled learning:</b> 121 hours		<b>Guided independent study:</b> 179 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	second-coord-cs@st-andrews.ac.uk			

## Computer Science - 1000 & 2000 Level - 2014/15 - August 2014

CS2101 Foundations of Computation (Accelerated)				
<b>SCOTCAT Credits:</b>	40	SCQF Level 8	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to direct second year entrants.			
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	CS2101 or CS2001 is compulsory for Computer Science BSc, Internet Computer Science BSc, Joint Computer Science degrees, Computer Science MSci			
<b>Anti-requisite(s):</b>	CS1002, CS1003, CS2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 lectures, 2 tutorials and 3 x 3-hour practical classes.			
	<b>Scheduled learning:</b> 176 hours		<b>Guided independent study:</b> 224 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2 x 1.5-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	second-coord-cs@st-andrews.ac.uk			

## Interdisciplinary (ID) modules

ID1005 IT in the Organisation				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon Mon - Fri			
This module aims to answer the question "What is it essential for every professional to know about IT?". It takes an interdisciplinary approach, delivered primarily by the School of Computer Science, with input from the School of Management. The module examines the purpose of IT in the modern enterprise, the main services that must be provided, strategies for providing these services, the potential problems that may arise, and approaches for addressing them. Particular topics may include: data storage, management, processing and presentation; process modelling; business intelligence and data mining; network and power management; security issues; reliability, availability and efficiency of IT infrastructure; new IT provisioning models and their impact on enterprise agility; dealing with IT services spanning multiple jurisdictions; relevant legislation such as data protection and freedom of information; managing outsourcing and offshoring; use of social networks within organisations; IT project management; professional, legal and ethical issues related to IT.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	first-is-coord-cs@st-andrews.ac.uk			

## School of Divinity

## Divinity (DI) modules

DI1001 Theology: Issues and History				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for Theological Studies and MTheol and BD			
<b>Required for:</b>	DI2000, DI4919, DI4924			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Prof A J Torrance			
<b>Lecturer(s)/Tutor(s):</b>	Prof A J Torrance			

DI1003 Old Testament 1: Torah and Prophets				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	12.00 noon			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for Biblical Studies, Hebrew and MTheol and BD			
<b>Required for:</b>	DI4524, DI4800, DI4805			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial (not first week)			
	<b>Scheduled learning:</b> 43 hours		<b>Guided independent study:</b> 157 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr W Tooman			
<b>Lecturer(s)/Tutor(s):</b>	Dr W Tooman			

Divinity - 1000 & 2000 Level - 2014/15 - August 2014

DI1004 Hebrew 1: Introduction to Hebrew Language			
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b> 1
<b>Planned timetable:</b>	4.00 pm		
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.			
<b>Programme module type:</b>	Compulsory for Hebrew. Either DI1004 or DI1005 is compulsory for Biblical Studies		
<b>Required for:</b>	DI2002		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures and 1 tutorial.		
	<b>Scheduled learning:</b> 55 hours	<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%		
<b>Module Co-ordinator:</b>	Prof J R Davila		
<b>Lecturer(s)/Tutor(s):</b>	Prof J R Davila		

DI1005 New Testament Greek 1			
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b> 2
<b>Planned timetable:</b>	4.00 pm		
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.			
<b>Programme module type:</b>	Compulsory for New Testament. Either DI1004 or DI1005 is compulsory for Biblical Studies		
<b>Anti-requisite(s):</b>	GK1001, GK1002	<b>Required for:</b>	DI2201, DI4609, DI4613, DI4615
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.		
	<b>Scheduled learning:</b> 44 hours	<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Coursework = 60%		
<b>Module Co-ordinator:</b>	TBC		
<b>Lecturer(s)/Tutor(s):</b>	TBC		

DI1006 New Testament 1: Jesus and the Gospels				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon			
<p>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. Continuous assessment includes the review of a popular 'historical fiction' novel assigned by the module co-ordinator.</p>				
<b>Programme module type:</b>	Compulsory for Biblical Studies, New Testament and MTheol and BD			
<b>Required for:</b>	DI2003, DI4604, DI4605, DI4608, DI4609			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial (not in week 1 or week 11)			
	<b>Scheduled learning:</b> 42 hours		<b>Guided independent study:</b> 158 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr E Shively			
<b>Lecturer(s)/Tutor(s):</b>	Dr E Shively			

DI1012 Living Faith				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am			
<p>Practical theology is a rich and diverse discipline that explores how Christian faith is lived in contemporary settings and what people's experiences of practicing their faith say to the theological and biblical traditions. This module introduces students to the work of a number of British and international practical theologians and aims to provide both methodological and conceptual tools for studying the inter-action of Christian expressions of faith and society. It is designed to foster skills of information gathering, critical analysis and reflection and the coherent expression of research and opinion.</p>				
<b>Programme module type:</b>	Compulsory for Theological Studies and MTheol and BD			
<b>Anti-requisite(s):</b>	DI1002	<b>Required for:</b>	DI4524	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial (apart from weeks 6, 10 and 11; 2 lectures only in week 11)			
	<b>Scheduled learning:</b> 40 hours		<b>Guided independent study:</b> 160 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr E Stoddart			
<b>Lecturer(s)/Tutor(s):</b>	Prof M I Aguilar and Dr E Stoddart			

## Divinity - 1000 & 2000 Level - 2014/15 - August 2014

DI2000 Christian Thought and Practice 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	2.00 pm			
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).				
<b>Programme module type:</b>	Compulsory for Theological Studies. Optional for MTheol and BD			
<b>Pre-requisite(s):</b>	DI1001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr S Holmes			
<b>Lecturer(s)/Tutor(s):</b>	Dr S Holmes, Dr J Perry			

DI2001 Old Testament 2: Wisdom, Psalms, Apocalyptic and Apocryphal Literature				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	11.00 am			
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.				
<b>Programme module type:</b>	Compulsory for Biblical Studies, Hebrew Optional for MTheol and BD			
<b>Pre-requisite(s):</b>	DI1003			
<b>Required for:</b>	DI3713, DI4707, DI4708, DI4711, DI4715, DI4729			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial (apart from week 1)			
	<b>Scheduled learning:</b> 43 hours		<b>Guided independent study:</b> 157 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr M Nevader			
<b>Lecturer(s)/Tutor(s):</b>	Dr M Nevader			



DI2002 Hebrew 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	3.00 pm			
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.				
<b>Programme module type:</b>	Compulsory for Hebrew. Either DI2002 or DI2201 is compulsory for Biblical Studies. Optional for MTheol.			
<b>Pre-requisite(s):</b>	DI1004			
<b>Required for:</b>	DI4705, DI4708, DI4726, DI4729			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 43 hours		<b>Guided independent study:</b> 157 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr W A Tooman			
<b>Lecturer(s)/Tutor(s):</b>	Dr W A Tooman			

DI2003 New Testament 2: Paul and the Epistles				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am			
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.				
<b>Programme module type:</b>	Compulsory for Biblical Studies, New Testament. Optional for MTheol and BD.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial (commencing in week 3).			
	<b>Scheduled learning:</b> 40 hours		<b>Guided independent study:</b> 160 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Coursework = 60%			
<b>Module Co-ordinator:</b>	Dr D Moffitt			
<b>Lecturer(s)/Tutor(s):</b>	Prof N T Wright, Dr D Moffitt, TBC			

## Divinity - 1000 & 2000 Level - 2014/15 - August 2014

DI2006 The Early and Mediaeval Church: History, Beliefs and Practices				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	2.00 pm			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for Theological Studies. Optional for MTheol and BD			
<b>Required for:</b>	DI4524			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr W Hyland			
<b>Lecturer(s)/Tutor(s):</b>	Dr W Hyland			

DI2201 New Testament Greek 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	12.00 noon			
<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>				
<b>Programme module type:</b>	Compulsory for New Testament. Either DI2002 or DI2201 is compulsory for Biblical Studies			
<b>Pre-requisite(s):</b>	DI1005 or GK1001 or demonstration of equivalent linguistic competence			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Coursework = 60%			
<b>Module Co-ordinator:</b>	Dr S Hafemann			
<b>Lecturer(s)/Tutor(s):</b>	Dr S Hafemann			

## School of Economics &amp; Finance

## Economics (EC) modules

EC1001 Macroeconomics				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to First Year students.			
<b>Planned timetable:</b>	2.00 pm Mon, Tue, Thu			
	The module provides an introduction to the basic concepts and data of macroeconomics. The economy in the long run is covered with a focus on national income, the monetary system, inflation, the open economy, unemployment and economic growth. Short run economic fluctuations are also studied with particular reference to the IS-LM model, aggregate demand and supply, and the short-run trade-off between inflation and unemployment.			
<b>Programme module type:</b>	Compulsory for Applied Economics, Economics, Financial Economics, BA (Int Hons) Economics and BA (Intl Hons) International Relations			
<b>Required for:</b>	EC2002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 10 weeks), plus 1 office hour (x 12 weeks) and 6 tutorials per semester.			
	<b>Scheduled learning:</b> 48 hours		<b>Guided independent study:</b> 152 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 75%, Coursework = 25%			
<b>Module Co-ordinator:</b>	Dr G Forgues-Puccio			
<b>Lecturer(s)/Tutor(s):</b>	Dr G Selvaretnam			

EC1002 Microeconomics				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to First Year students.			
<b>Planned timetable:</b>	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.			
<b>Programme module type:</b>	Compulsory for Applied Economics, Economics, Financial Economics, BA (Int Hons) Economics and BA (Intl Hons) International Relations			
<b>Required for:</b>	EC2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 10 weeks), plus 1 office hour (x 12 weeks) and 6 tutorials per semester.			
	<b>Scheduled learning:</b> 48 hours		<b>Guided independent study:</b> 152 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 75%, Coursework = 25%			
<b>Module Co-ordinator:</b>	Dr I Smith			
<b>Lecturer(s)/Tutor(s):</b>	Dr I Smith			

**Economics & Finance - 1000 & 2000 Level - 2014/15 - August 2014**

<b>EC2001 Intermediate Microeconomics</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	2.00 pm Mon, Tue, Thu and some Fridays			
The module is intended for those students wishing to specialise further in economics. It covers the theory and method of microeconomic analysis in a neo-classical framework and studies some selected applications. It deals with the analysis of consumer choice and demand, production and cost and market structure in a thorough and self-contained way. The module also introduces students to choice under uncertainty, asymmetric information, externalities, and general equilibrium.				
<b>Programme module type:</b>	Compulsory for Applied Economics, Economics, Financial Economics, Applied Quantitative Finance (MSci), BA (Int Hons) Economics			
<b>Pre-requisite(s):</b>	EC1002	<b>Co-requisite(s):</b>	EC2004 or MT2503	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 10 weeks), plus 1 office hour (x 12 weeks) and an additional 4 lectures and 6 tutorials per semester.			
	<b>Scheduled learning:</b> 52 hours		<b>Guided independent study:</b> 148 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 85%, Practical Examinations = 0%, Coursework = 15%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Dr M La Manna			
<b>Lecturer(s)/Tutor(s):</b>	Dr M La Manna			

<b>EC2002 Intermediate Macroeconomics</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	2.00 pm Mon, Tue, Thu and some Fridays			
The module provides students who wish to specialise further in economics with a treatment of modern macroeconomics. It deals with the following topics: the Neoclassical growth model, the IS-LM model, the AD-AS model, rational expectations, nominal rigidities and money neutrality, the IS-LM-BP model, the Theory of Economic Policy, the rules versus discretion debate, and reputation and credibility in macroeconomic policy making.				
<b>Programme module type:</b>	Compulsory for Applied Economics, Economics, Financial Economics, Applied Quantitative Finance (MSci), BA (Int Hons) Economics			
<b>Pre-requisite(s):</b>	EC1001 and (EC2004 or MT2503)			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 10 weeks), plus 1 office hour (x 12 weeks) and an additional 4 lectures and 6 tutorials per semester.			
	<b>Scheduled learning:</b> 52 hours		<b>Guided independent study:</b> 148 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 85%, Practical Examinations = 0%, Coursework = 15%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Dr F Di Pace			
<b>Lecturer(s)/Tutor(s):</b>	Dr F Di Pace			

EC2003 Quantitative Methods - Statistics				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon Tue and 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 on techniques accoring to their relevance and application to economics. The module is designed for those planning honours economics.				
<b>Programme module type:</b>	Compulsory for Applied Economics, Economics, Financial Economics, BA (Int Hons) Economics			
<b>Pre-requisite(s):</b>	EC1001, EC2004 (or MT2001 or MT2503)	<b>Anti-requisite(s):</b>	MT2004, MT2508	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures (x 10 weeks), plus 1 office hour (x 12 weeks) and 8 x 2 hour laboratories.			
	<b>Scheduled learning:</b> 48 hours		<b>Guided independent study:</b> 52 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 1.5-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Prof R McCrorie			
<b>Lecturer(s)/Tutor(s):</b>	Dr I Merkurieva			

EC2004 Quantitative Methods - Mathematics				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	12.00 noon Tue and Thu			
This module is designed to provide the mathematical tools required to construct formal economic models and to use them to analyse economic problems. It is intended to provide the required training for those entering the Honours programme in the key mathematical methods that are used in economic analysis. The aim is twofold: to prepare you so that you will understand the use of such techniques in advanced economic analysis and be able to employ them; to enable you to read and understand the research literature both at the intellectual frontiers of the discipline and in specialist areas of the subject.				
<b>Programme module type:</b>	Compulsory for Applied Economics, Economics, Financial Economics, BA (Int Hons) Economics			
<b>Pre-requisite(s):</b>	EC1001	<b>Anti-requisite(s):</b>	MT2001, MT2503	
<b>Co-requisite(s):</b>	EC2001	<b>Required for:</b>	EC2003 - unless MT2001 or MT2503 is taken	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures (x 10 weeks), plus 1 office hour (x 12 weeks), 8 x 1-hour compulsory laboratories, plus 8 x 1-hour non-compulsory laboratories.			
	<b>Scheduled learning:</b> 48 hours		<b>Guided independent study:</b> 52 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 1.5-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr F Di Pace			
<b>Lecturer(s)/Tutor(s):</b>	Dr F Di Pace			

**Economics & Finance - 1000 & 2000 Level - 2014/15 - August 2014**

EC2008 Topics in Finance			
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b> 1 & 2 (taught twice)
<b>Planned timetable:</b>	11.00 am Mon, Tue, Thu		
<p>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.</p>			
<b>Programme module type:</b>	Available to any degree programme.		
<b>Pre-requisite(s):</b>		<b>Anti-requisite(s):</b>	
<b>Co-requisite(s):</b>		<b>Required for:</b>	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 9 weeks) plus 1 office hour (x 12 weeks)		
	<b>Scheduled learning:</b> 39 hours	<b>Guided independent study:</b> 161 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	<b>As used by St Andrews:</b> Coursework = 100%		
<b>Module Co-ordinator:</b>	Dr L Savorelli		
<b>Lecturer(s)/Tutor(s):</b>	Dr L Savorelli, Dr T Diasakos		

## School of English

## English (EN) modules

EN1003 Culture and Conflict: An Introduction to Nineteenth- and Twentieth-Century Literature				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am			
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.				
<b>Programme module type:</b>	Either EN1003 or CO1001 is compulsory for English. Compulsory for BA (Int Hons) English			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial, and 2 optional consultative hours.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr C M Alt			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

EN1004 Explorers and Revolutionaries: Literature 1680 - 1830				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Either EN1004 or CO1002 is compulsory for English. Compulsory for BA (Int Hons) English			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial, and 2 optional consultative hours.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Prof N H Roe			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

English - 1000 & 2000 Level - 2014/15 - August 2014

EN2003 Mediaeval and Renaissance Texts				
SCOTCAT Credits:	20	SCQF Level 8	Semester:	1
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 both Old and Middle English. 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.				
Programme module type:	Compulsory for English			
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 and delivery:	Weekly contact: 3 lectures and 1 tutorial, and 2 optional consultative hours.			
	Scheduled learning: 66 hours		Guided independent study: 134 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%			
Module Co-ordinator:	Dr C Rauer			
Lecturer(s)/Tutor(s):	Team taught			

EN2004 Drama: Reading and Performance				
SCOTCAT Credits:	20	SCQF Level 8	Semester:	2
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.				
Programme module type:	Compulsory for English			
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 and delivery:	Weekly contact: 3 lectures and 1 tutorial, and 2 optional consultative hours.			
	Scheduled learning: 66 hours		Guided independent study: 134 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%			
Module Co-ordinator:	Dr P H Parry			
Lecturer(s)/Tutor(s):	Team taught			



## School of Geography &amp; Geosciences

## Earth &amp; Environmental Sciences (ES) modules

ES1001 Planet Earth			
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b> 1
<b>Planned timetable:</b>	12.00 noon - 1.00 pm Mon - Fri; 2.00 pm - 4.00 pm Thu and 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, oral and written presentations, advanced use of the University's internet and library facilities for data acquisition, and critically assessing scientific data and reports.			
<b>Programme module type:</b>	Compulsory for BSc Geology, Environmental Earth Science, joint degrees with Biology and Chemistry, and MGeol Earth Sciences		
<b>Anti-requisite(s):</b>	GG1011	<b>Required for:</b>	ES2001
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 lectures, tutorials and skills sessions, and 1 x 2-hour practical (x 11 weeks); 7-hours fieldwork in total.		
	<b>Scheduled learning:</b> 84 hours	<b>Guided independent study:</b> 116 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 30%, Coursework = 20%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, 2-hour Practical Examination = 30%, Coursework = 20% Re-Assessment: Coursework 20%, 2-hour Examination = 80%		
<b>Module Co-ordinator:</b>	Dr V Rinterknecht		
<b>Lecturer(s)/Tutor(s):</b>	Earth and Environmental Sciences staff		

## Geography & Geosciences - 1000 & 2000 Level 2014/15 - August 2014

ES1002 Earth Resources and Environment				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon - 1.00 pm Mon - Fri; 2.00 pm - 4.00 pm Thu and Fri			
<p>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, energy and more) 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.</p>				
<b>Programme module type:</b>	Compulsory for BSc Geology, Environmental Earth Science, joint degrees with Biology and Chemistry, and MGeol Earth Sciences			
<b>Pre-requisite(s):</b>	Normally ES1001	<b>Anti-requisite(s):</b>	GG1012	
<b>Required for:</b>	ES2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 lectures, tutorials and 1 x 2-hour practical (x 11 weeks), plus 40 hours of fieldwork over the semester.			
	<b>Scheduled learning:</b> 117 hours		<b>Guided independent study:</b> 83 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 25%, Coursework = 25%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, 2-hour Practical Examination = 30%, Coursework = 20% Re-Assessment: Coursework 20%, 2-hour Examination = 80%			
<b>Module Co-ordinator:</b>	Dr V Rinterknecht			
<b>Lecturer(s)/Tutor(s):</b>	Earth and Environmental Sciences staff			

ES1801 Field Geology Summer School				
<b>SCOTCAT Credits:</b>	24	SCQF Level 7	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to University of California students.			
<b>Planned timetable:</b>	Mon-Thu, variable hours. Fri dedicated to personal study			
<p>This module aims to introduce students to Earth Science in the context of Scottish Geology over a six--week course. Scotland is the ideal natural laboratory for this; it offers classic exposures of a variety of rock types relevant to key periods throughout the three billion-years of Earth History.</p> <p>The taught content of the module includes lectures, practical classes and fieldtrips.</p> <p>Assessment comprises of: exams (multiple choice/short answer questions, an illustrated essay), field notebook presentation, group oral presentations.</p>				
<b>Programme module type:</b>	Summer module for University of California students only.			
<b>Pre-requisite(s):</b>	Attendance at a University of California College.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Fieldwork, lectures, practical classes full-time over 6 weeks.			
	<b>Scheduled learning:</b> 157 hours		<b>Guided independent study:</b> 83 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 30%, 2-hour Mid-term Examination = 20%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J Chambers			
<b>Lecturer(s)/Tutor(s):</b>	Earth and Environmental Sciences staff			

## Geography & Geosciences - 1000 & 2000 Level 2014/15 - August 2014

ES2001 Dynamic Earth: The Earth System				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am - 11.00 am Mon - Fri; 2.00 pm - 5.00 pm Tue			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for BSc Geology, Environmental Earth Science, joint degrees with Biology and Chemistry, and MGeol Earth Sciences			
<b>Pre-requisite(s):</b>	ES1001 and ES1002 or equivalent	<b>Required for:</b>	ES2002, ES2003	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 lectures and 1 x 3-hour laboratory per week, and occasional tutorials; 16 hours fieldwork			
	<b>Scheduled learning:</b> 112 hours		<b>Guided independent study:</b> 188 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 30%, Coursework = 20%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, 3-hour Practical Examination = 30%, Coursework = 20% Re-Assessment: Coursework 20%, 2-hour Examination = 80%			
<b>Module Co-ordinator:</b>	Dr V Rinterknecht			
<b>Lecturer(s)/Tutor(s):</b>	Earth and Environmental Sciences staff			

ES2002 Dynamic Earth: Magma, Minerals and Metamorphism				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am - 11.00 am Mon, Wed, Fri; 2.00 pm - 5.00 pm Tue			
<p>This module focuses on the geology and geochemistry 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. Undergraduates on the BSc Geology degree must take ES2002, and are strongly encouraged also to take ES2003.</p>				
<b>Programme module type:</b>	Optional for BSc Geology, Environmental Earth Science, joint degrees with Biology and Chemistry, and MGeol Earth Sciences			
<b>Pre-requisite(s):</b>	Normally ES2001	<b>Anti-requisite(s):</b>	GS2012	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 lectures and 1 x 3-hour laboratory per week, and occasional tutorials; 16 hours fieldwork			
	<b>Scheduled learning:</b> 81 hours		<b>Guided independent study:</b> 219 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 20%, Coursework = 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, 2-hour Practical Examination = 20%, Coursework = 30% Re-Assessment: Coursework 20%, 2-hour Examination = 80%			
<b>Module Co-ordinator:</b>	Dr V Rinterknecht			
<b>Lecturer(s)/Tutor(s):</b>	Earth and Environmental Sciences staff			

## Geography & Geosciences - 1000 & 2000 Level 2014/15 - August 2014

ES2003 Dynamic Earth: Earth Surface Processes			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	10.00 am - 11.00 am Tue, Thu; practical 2.00 pm - 5.00 pm Mon		
<p>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.</p>			
<b>Programme module type:</b>	Optional for BSc Geology, Environmental Earth Science, joint degrees with Biology and Chemistry, and MGeol Earth Sciences		
<b>Pre-requisite(s):</b>	ES2001		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Weekly skills practical classes, tutorials and 80 hours fieldwork.		
	<b>Scheduled learning:</b> 96 hours	<b>Guided independent study:</b> 204 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 20%		
	Re-Assessment: Coursework 20%, 2-hour Examination = 80%		
<b>Module Co-ordinator:</b>	Dr V Rinterknecht		
<b>Lecturer(s)/Tutor(s):</b>	Earth and Environmental Sciences staff		

**Geography & Geosciences - 1000 & 2000 Level 2014/15 - August 2014**

<b>ES2004 Practical and Field Skills for Earth Sciences (Direct Entrants)</b>			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> Whole Year
<b>Availability restrictions:</b>	Available only to students who have been accepted for direct 2nd year entry to an Earth Science degree programme.		
<b>Planned timetable:</b>	12.00 noon - 1.00 pm Mon - Fri; practical 2.00 pm - 4.00 pm Thu or Fri		
<p>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, 2002 &amp; 2003 teaching.</p>			
<b>Programme module type:</b>	Compulsory for Direct entrants to Second Year Geology		
<b>Pre-requisite(s):</b>	Direct Second Year acceptance to BSc Geology, BSc Environmental Earth Science or MGeol Earth Science Degrees		
<b>Co-requisite(s):</b>	Normally ES2001, ES2002 and ES2003	<b>Anti-requisite(s):</b>	ES1001, ES1002
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Weekly lectures, practical classes, and fieldwork. Generally 5 hours per week lecture/lab time plus associated field classes.		
	<b>Scheduled learning:</b> 190 hours	<b>Guided independent study:</b> 110 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 50%, Coursework = 50%		
	<b>As used by St Andrews:</b> Coursework = 100% (made up of Group Work and 2 Field Excursions = 50%, Practical Examinations = 50%)		
	Re-Assessment: Coursework = 100%		
<b>Module Co-ordinator:</b>	Dr V Rinterknecht		
<b>Lecturer(s)/Tutor(s):</b>	Earth and Environmental Sciences staff		

Geography (GG) modules

GG1001 Geography: Understanding our Changing World				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am			
As the global population speeds past 7 billion, mounting evidence about resource depletion and climate change, and global economic inequality and social injustice, suggests 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 traditions across the social and natural sciences and the humanities, is uniquely placed to understand our changing world. Its combination of lectures, tutorials, laboratory sessions in spatial data analysis is relevant to students across the University.				
<b>Programme module type:</b>	Either GG1001 or GG1002 is compulsory for all Single Honours, Joint Honours and 'with' Degrees in Geography			
<b>Required for:</b>	GG2011			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 11 weeks) + 6 x 1-hour skills/feedback sessions, 2 x 2-hour practical classes, 4 x 1-hour tutorials, and 1 x 8-hour field class during the semester.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr M B Sothern			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

GG1002 A World in Crisis?				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	11.00 am			
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.				
<b>Programme module type:</b>	Either GG1001 or GG1002 is compulsory for all Single Honours, Joint Honours and 'with' Degrees in Geography			
<b>Required for:</b>	GG2011			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 11 weeks) + 6 x 1-hour skills/feedback sessions, 3 x 2-hour practical classes, 5 x 1-hour tutorials, and 1 x 4-hour field class during the semester.			
	<b>Scheduled learning:</b> 57 hours		<b>Guided independent study:</b> 143 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr M B Sothern			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Geography & Geosciences - 1000 & 2000 Level 2014/15 - August 2014

GG2011 Geographical Processes and Change				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	9.00 am Mon - Fri, 2.00 pm - 6.00 pm Mon			
<p>This module examines some fundamental processes in human and physical geography. The physical geography component of the module considers the operation of a range of atmospheric, hydrological and geomorphological processes. Topics include hydrometeorological processes, weathering, slope processes, fluvial processes, glacial processes and periglacial processes. The human geography component of the module explores the extraordinary character of the modern world from a range of geographical perspectives. Topics include the economic, historical, political and social geography of capitalism, imperialism, urbanisation and globalisation.</p>				
<b>Programme module type:</b>	Compulsory for all Single Honours, Joint Honours and 'with' Degrees in Geography			
<b>Pre-requisite(s):</b>	GG1001 or GG1002	<b>Required for:</b>	GG2012	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures (x 11 weeks) + 4 x 1-hour skills/feedback sessions, 2 x 2-hour seminars, 3 x 1-hour tutorials, 2 x 2-hour practical classes and 1 x 8-hour field class during the semester.			
	<b>Scheduled learning:</b> 67 hours		<b>Guided independent study:</b> 233 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 15%, Coursework = 45%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Practical Examination = 15%, Coursework = 45%			
<b>Module Co-ordinator:</b>	Dr D Reuschke			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

GG2012 Processes, Perspectives and Ideas in Geography				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	9.00 am Mon - Fri, 2.00 pm - 6.00 pm Mon			
<p>The first part of the module extends the understanding of the physical and human world developed in GG2011 and explores the contemporary relevance of geography, using case studies of environmental problems and social inequalities in the developed world. The second part of the module then takes a holistic view of geography by examining some enduring themes which have fascinated geographers for centuries, before illustrating the potential for an integrated understanding of the world through a detailed case study of one world region (e.g. the Himalayas).</p>				
<b>Programme module type:</b>	Compulsory for all Single Honours, Joint Honours and 'with' Degrees in Geography			
<b>Pre-requisite(s):</b>	GG2011			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3-4 lectures (x10 weeks) + 4 x 1-hour skills/feedback sessions, 1 x 2-hour practical, 2 x 1-hour seminars during the semester.			
	<b>Scheduled learning:</b> 42 hours		<b>Guided independent study:</b> 258 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr D Reuschke			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Sustainable Development (SD) modules

SD1001 Sustainable Development: Priorities and Pathways				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	9.00 am Mon, Tue, Thu, Fri			
Sustainable development offers a framework to identify global priorities and to explore alternative pathways by which we may recognise environmental limits and strive for social justice, in order to leave a better world for future generations. This module takes an interdisciplinary approach to critique diverse interpretations of sustainable development and to discuss its application at local, national and global levels. The module is taught collaboratively by staff from across the University (e.g. Biology, Divinity, Geography and Geosciences, Modern History, Social Anthropology and Estates). Students will explore themes such as the history and frameworks of sustainable development; biodiversity conservation; international development and culture; and institutional sustainable development strategies. Cross-cutting themes will be identified and discussed and linkages will be developed across the module.				
<b>Programme module type:</b>	Either SD1001 or SD1003 is compulsory for Sustainable Development			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 seminar (x 11 weeks), 5 x 1-hour tutorials, and 1 x 1-hour essay seminar during the semester.			
	<b>Scheduled learning:</b> 50 hours		<b>Guided independent study:</b> 150 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr R White			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

SD1003 Sustainable Development: Towards Alternative Futures				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	9.00 am Mon, Tue, Thu, Fri			
Sustainable development offers an approach to envisage alternative futures through the theoretical development of different paradigms and the practical application of such theories. This module takes an interdisciplinary approach to different perspectives of sustainable development and to discuss its application at local, national and global levels. The module is taught collaboratively by staff from across the University (e.g. Art History, Biology, Chemistry, Economics and Finance, Geography and Geosciences, International Relations, Management, Mathematics and Statistics and Medicine). It builds on some of the material from SD1001 but also can be taken as a stand-alone module. Students will explore themes such as climate change and responses; sound science, knowledge and learning for sustainable development; responding to the freshwater crisis; environmental economics; and governance for sustainable development. Cross-cutting themes will be identified and discussed and linkages will be developed across the module.				
<b>Programme module type:</b>	Either SD1001 or SD1003 is compulsory for Sustainable Development			
<b>Anti-requisite(s):</b>	SD1002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 seminar ( x 11 weeks), 5 x 1-hour tutorials, 1 x 1-hour essay seminars during the semester.			
	<b>Scheduled learning:</b> 50 hours		<b>Guided independent study:</b> 150 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr R M White			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			



## Geography & Geosciences - 1000 & 2000 Level 2014/15 - August 2014

SD2001 Sustainable Development: Ecological and Environmental Aspects			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 1
<b>Planned timetable:</b>	1.00 pm Mon, Tue, Fri (lectures); 10.00 am and 11.00 am Wed, 10 am Thu (seminars/tutorials)		
<p>This module takes students through a range of ecological and environmental issues associated with sustainable development. This interdisciplinary module is taught collaboratively by staff from the Schools of Biology, Chemistry, and Geography &amp; Geosciences. The module explores five main themes:</p> <p>Part A -ecosystem functions and services- provides a general introduction to key concepts, including: biodiversity, ecosystems, and the role of environmental cycles.</p> <p>Part B -the anthropogenic effects on ecosystem functions and services- explores the human impacts on natural systems, including issues of habitat change, global warming, agriculture, commercial and industrial impacts.</p> <p>Part C -technology and the environment- considers how advances in technology might play a crucial role in moving towards sustainability, and the potential impacts of technology, both positive and negative (focusing energy supply and use, and also geo-engineering).</p> <p>Part D -conservation and management - covers issues including species and habitat protection, protected area design, and community participation.</p> <p>Part E – environmental monitoring and assessment – considers the supporting evidence base required for sustainability. Techniques are explored through case studies at local and global levels.</p> <p>The module covers a wide range of theory and knowledge, and provides you with ideas and material from various disciplines. You will be assessed by an essay, which will enhance your understanding of a particular field and the constraints to achieving sustainable development. Essay topics will be supported by tutorial sessions. The seminar series offers an opportunity for peer learning and presentation by exploring case studies of a range of relevant topics and offering time for discussion.. There will be a fieldtrip to a coastal location.</p>			
<b>Programme module type:</b>	Compulsory for Sustainable Development		
<b>Pre-requisite(s):</b>	SD1001 or SD1003		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures ( x 11 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.		
	<b>Scheduled learning:</b> 56 hours	<b>Guided independent study:</b> 244 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 30%, Practical Examinations = 20%, Coursework = 50%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 50%, Coursework = 50%		
<b>Module Co-ordinator:</b>	Dr T A Stojanovic		
<b>Lecturer(s)/Tutor(s):</b>	Team taught		

## Geography & Geosciences - 1000 & 2000 Level 2014/15 - August 2014

SD2002 Sustainable Development: Social and Economic Aspects			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	1.00 pm (lectures); 10.00 am and 11.00 am Wed, 10.00 am Thu (seminars/tutorials)		
<p>SD2002 is designed to explore social and economic aspects of sustainability and of development.</p> <p>Part A questions the assumptions regarding sustainability and development. We consider some of the values attached to sustainability and the seemingly conflicting nature of capitalism and sustainable development. We will explore how underpinning philosophies are linked to sustainability and development, and debate their merit.</p> <p>Part B investigates the development, cultures, and social justice aspects of sustainable development. Anthropological approaches to sustainability and development uncover hidden aspects and provide additional critical perspectives. We will examine cultural interpretations of sustainability from through case studies that demonstrate how sustainability interfaces with livelihoods. Lectures will question the idea of one agreed, Western definition of sustainability and of development.</p> <p>Part C examines markets and institutions. We begin this section by looking at an iconic institution here in St Andrews, The Links, and how they implement sustainable practices in golf course management. We will accompany this section with a field trip to The Links to see first-hand what goes on there. We will also learn about organisations and management for SD and the corporation is considered as a key organisational unit in the modern economy. The concepts of ethical investment, SD reporting, and organisational change are critical in changing the culture of capitalism as well as providing information to assist you with your social accounting exercise. We move on to practical development decisions by looking at the use of Strategic Environmental Assessment and Environmental Impact Assessment in the UK. We will also explore the contribution of planning to sustainability and environmentally sound development.</p> <p>Finally, in Part D we will develop our quantitative analysis skills, by learning how statistics and quantitative analysis can augment and enhance our understanding and evidence of change. These skills will provide a foundation for future methods-based modules at the junior-honours and honours level. Through lab work, we will explore how data and data analysis can provide new and interesting insights into the problems we study.</p>			
<b>Programme module type:</b>	Compulsory for Sustainable Development		
<b>Pre-requisite(s):</b>	SD2001		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 38 lectures (3 lectures x 11 weeks plus 5 extra lectures); 1-hour seminar ( x 4 weeks); 1-hour tutorial (x 4 weeks); (2-hours practicals (x 2 weeks); and 1 x 6-hours fieldtrip		
	<b>Scheduled learning:</b> 56 hours	<b>Guided independent study:</b> 244 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 20%, Coursework = 30%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 50%, Coursework = 50%		
<b>Module Co-ordinator:</b>	Dr J Long		
<b>Lecturer(s)/Tutor(s):</b>	Team taught		

## School of History

Including: Mediaeval, Modern and Scottish History, Mediaeval Studies and Middle East Studies (see also Ancient History within the Classics section, and Arabic within the Modern Languages section)

### History (HI) modules

<b>HI2001 History as a Discipline: Development and Key Concepts</b>			
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	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>			
<b>Programme module type:</b>	Compulsory for Modern History. Optional for History, Mediaeval History, Mediaeval History and Archaeology, Mediaeval Studies, Middle East Studies, Scottish History and BA (Intl Hons) History		
<b>Pre-requisite(s):</b>	any 3 History modules (AN, ME or MO), including at least 1 at 2000-level.	<b>Anti-requisite(s):</b>	MO2006
<b>Co-requisite(s):</b>		<b>Required for:</b>	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.		
	<b>Scheduled learning:</b> 44 hours	<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%		
<b>Module Co-ordinator:</b>	Dr F Nethercott		

Interdisciplinary (ID) modules

ID1004 Great Ideas 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	1.00 pm Mon, Tue and Thu			
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 human rights and justice; 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				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 42 hours		<b>Guided independent study:</b> 158 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr E Hart			

Mediaeval History (ME) modules

ME1003 The Fall of Rome and the Origins of Europe (400 - 1000)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am Mon, Tue and Thu			
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.				
<b>Programme module type:</b>	Compulsory for Mediaeval History, Mediaeval History and Archaeology. Optional for History, Mediaeval Studies, Middle East Studies, Scottish History and BA (Intl Hons) History.			
<b>Anti-requisite(s):</b>	ME1001, ME1004			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr A D Woolf			

ME1006 Scotland and the English Empire 1070 - 1500				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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>				
<b>Programme module type:</b>	Compulsory for Mediaeval History, Mediaeval History and Archaeology, Scottish History. Optional for Mediaeval Studies, History and BA (Intl Hons) History.			
<b>Anti-requisite(s):</b>	ME2001, SC2003			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr C McGladdery			

ME2003 Europe in the High Middle Ages				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	3.00 pm Mon, Tue and Thu			
<p>This module surveys European history from the eleventh to the fourteenth centuries, a period known as the "High Middle Ages". Rather than providing an exhaustive chronology of political events, the course examines key themes that helped to shape Western Europe in this period. This will enable students to understand not just the major events that occurred in the period (including, for example, the contest between the Western Emperors and the Popes, or the Crusades), but also the mentalities and lives of the people who experienced them. Topics such as belief, dissent and private life are considered alongside more traditional areas like the development of national governments and trade. The module, while self-contained and coherent, will follow neatly on from ME1003, a module dealing with the transformation of Europe in the early Middle Ages.</p>				
<b>Programme module type:</b>	Compulsory for Mediaeval History, Mediaeval History and Archaeology. Optional for History, Middle East Studies, Scottish History and BA (Intl Hons) History.			
<b>Anti-requisite(s):</b>	ME1004, ME2001, ME2004			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr R Cox			

**Middle Eastern History (MH) modules**

<b>MH2002 Introduction to Middle Eastern History</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	2.00 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>				
<b>Programme module type:</b>	Compulsory for Middle East Studies. Optional for History, Mediaeval History, Mediaeval History and Archaeology and BA (Intl Hons) History.			
<b>Pre-requisite(s):</b>	60 credits of ME or MO modules OR 60 credits of AR modules			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr D Kastritsis			

**Modern History (MO) modules**

<b>MO1007 The Early Modern Western World (c. 1450 - c. 1770)</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	12.00 noon Mon, Tue and Thu			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for Modern History. Optional for History, Middle East Studies, Scottish History and BA (Intl Hons) History.			
<b>Anti-requisite(s):</b>	MO1005, MO1006			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr G R Rowlands			

MO1008 Themes in Late Modern History (c. 1776 - 2001)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for Modern History. Optional for History, Middle East Studies, Scottish History and BA (Intl Hons) History.			
<b>Anti-requisite(s):</b>	MO2007			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr G Mitchell			

MO2008 Scotland, Britain and Empire (c. 1500 - 2000)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am Mon, Tue and Thu			
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.				
<b>Programme module type:</b>	Compulsory for Modern History. Optional for History, Mediaeval History, Mediaeval History and Archaeology, Middle East Studies and BA (Intl Hons) History.			
<b>Anti-requisite(s):</b>	SC2004			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr A K Fyfe			





## School of International Relations

## International Relations (IR) modules

IR1005 Introduction to International Relations				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to First Year students in the Faculties of Arts and Divinity.			
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for International Relations and BA (Intl Hons) International Relations			
<b>Pre-requisite(s):</b>	AAAB at Higher or AAA at A-Level or IB38.	<b>Required for:</b>	IR1006, IR2005, IR2006	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 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). 2 hours of exam feedback are given in week 1 of the following semester.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 123 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr W B Vlcek			

IR1006 Foreign Policy Analysis and International Security				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for International Relations and BA (Intl Hons) International Relations			
<b>Pre-requisite(s):</b>	IR1005	<b>Required for:</b>	IR2005, IR2006	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 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). 2 hours of exam feedback are given in week 1 of the following semester.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 130 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr W B Vlcek			

## International Relations – 1000 & 2000 Level - 2014/15 - August 2014

IR2005 Theoretical Approaches to International Relations				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	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>				
<b>Programme module type:</b>	Compulsory for International Relations and BA (Intl Hons) International Relations			
<b>Pre-requisite(s):</b>	IR1005 and IR1006	<b>Required for:</b>	IR2006	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 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.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Class Test = 20%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr C E Gentry			

IR2006 Issues in International Relations				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	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>				
<b>Programme module type:</b>	Compulsory for International Relations and BA (Intl Hons) International Relations			
<b>Pre-requisite(s):</b>	IR2005			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 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.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Class Test = 20%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr C E Gentry			

## School of Management

### Management (MN) modules

MN1001 Organisations and Society				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for all Management and Management Science degrees			
<b>Required for:</b>	MN2001, MN2002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures (x 11 weeks) and 1 tutorial (x 9 weeks), and 2 optional consultative hours (x 11 weeks)			
	<b>Scheduled learning:</b> 75 hours		<b>Guided independent study:</b> 125 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Mrs D McGoldrick			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

MN1002 Organisations and Analysis				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for all Management and Management Science degrees			
<b>Required for:</b>	MN2001, MN2002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures (x 8 weeks) and 1 tutorial (x 11 weeks), and 2 optional consultative hours (x 11 weeks)			
	<b>Scheduled learning:</b> 65 hours		<b>Guided independent study:</b> 135 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Mrs D McGoldrick			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Management - 1000 & 2000 Level - 2014/15 - August 2014

MN2001 Management and Society				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	3.00 pm			
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.				
<b>Programme module type:</b>	Compulsory for all Management and Management Science degrees			
<b>Pre-requisite(s):</b>	MN1001 and MN1002	<b>Required for:</b>	MN4227, MN4238	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures (x 11 weeks) and 1 tutorial (x 8 weeks), and 2 optional consultative hours ( x 11 weeks)			
	<b>Scheduled learning:</b> 74 hours		<b>Guided independent study:</b> 126 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Mrs D McGoldrick			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

MN2002 Management and Analysis				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	3.00 pm			
This module comprises two components and further develops the analytical skills and insights required for Management. Firstly, Economic Theories of the Firm investigates the ways in which a firm's environment, corporate objectives and organisational form may affect the organisation's behaviour and performance. 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.				
<b>Programme module type:</b>	Compulsory for all Management and Management Science degrees			
<b>Pre-requisite(s):</b>	MN1001 and MN1002	<b>Required for:</b>	MN4227, MN4238, MT3832	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures (x 11 weeks) and 1 tutorial (x 8 weeks), and 2 optional consultative hours ( x 11 weeks)			
	<b>Scheduled learning:</b> 74 hours		<b>Guided independent study:</b> 126 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Mrs D McGoldrick			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

MN2112 Enterprise and Creativity			
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b> 1
<b>Availability restrictions:</b>	Not available to First Year students.		
<b>Planned timetable:</b>	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>			
<b>Programme module type:</b>	Available to any degree programme.		
<b>Pre-requisite(s):</b>	Must be in the Second year of any degree programme.		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures (x 11 weeks) and 1 tutorial (x 8 weeks), and 2 optional consultative hours ( x 11 weeks)		
	<b>Scheduled learning:</b> 52 hours	<b>Guided independent study:</b> 148 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%		
	<b>As used by St Andrews:</b> Coursework = 100%		
<b>Module Co-ordinator:</b>	Ms B S Hacking		
<b>Lecturer(s)/Tutor(s):</b>	Team taught		



## School of Mathematics & Statistics

### Mathematics (MT) modules

MT1001 Introductory Mathematics				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	9.00 am			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for students on all programmes in the School who do not meet the direct entry requirements for MT1002. All other students should take MT1002 instead.			
<b>Pre-requisite(s):</b>	Higher or A-Level Mathematics (A/S level Mathematics with approval of Head of School).			
<b>Anti-requisite(s):</b>	MT1003, CS1010	<b>Required for:</b>	MT1002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 lectures (weeks 1 - 10), 1 tutorial and 1 laboratory (weeks 2 -11).			
	<b>Scheduled learning:</b> 70 hours		<b>Guided independent study:</b> 130 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 90%, Practical Examinations = 0%, Coursework = 10%			
	<b>As used by St Andrews:</b> Written Examination = 90% (2-hour final exam = 70%, 2 class tests = 10% each), Coursework = 10%			
<b>Module Co-ordinator:</b>	Dr V Archontis			
<b>Lecturer(s)/Tutor(s):</b>	Dr V Archontis, Dr L Blackburn, Dr A L Haynes			

## Mathematics & Statistics - 1000 & 2000 Level - 2014/15 - August 2014

MT1002 Mathematics				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1 & 2 (taught twice)
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for all programmes within the School. Compulsory for all single and joint BSc Management Science degree programmes and all programmes within the School of Physics & Astronomy (except Direct entry to Second year).			
<b>Pre-requisite(s):</b>	MT1001 or B at Advanced Higher Mathematics or B at A-Level Mathematics.			
<b>Required for:</b>	AS2001, MT1003, MT2001, MT2002, MT2004, MT2005, MT3832, PH2011, PH2012			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 lectures (weeks 1 - 10), 1 tutorial and 1 laboratory (weeks 2 - 11).			
	<b>Scheduled learning:</b> 70 hours		<b>Guided independent study:</b> 130 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 90%, Practical Examinations = 0%, Coursework = 10%			
	<b>As used by St Andrews:</b> Written Examination = 90% (2-hour final exam = 70%, 2 class tests = 10% each), Coursework = 10%			
<b>Module Co-ordinator:</b>	Prof K J Falconer (Sem 1); Dr A P Naughton (Sem 2)			
<b>Lecturer(s)/Tutor(s):</b>	Semester 1: Prof K J Falconer, Dr T Brough, Dr A P Naughton; Semester 2: Dr L Blackburn, Prof L Olsen, Dr A P Naughton, Prof C E Parnell			

MT1003 Pure and Applied Mathematics				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for all programmes within the School.			
<b>Pre-requisite(s):</b>	MT1002	<b>Required for:</b>	MT3600	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 lectures (weeks 1 - 10), 1 tutorial and 1 laboratory (weeks 2 - 11).			
	<b>Scheduled learning:</b> 70 hours		<b>Guided independent study:</b> 130 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 90%, Practical Examinations = 0%, Coursework = 10%			
	<b>As used by St Andrews:</b> Written Examination = 90% (2-hour final exam = 70%, 2 class tests = 10% each), Coursework = 10%			
<b>Module Co-ordinator:</b>	Dr M Carr			
<b>Lecturer(s)/Tutor(s):</b>	Dr M Carr, Dr J J McDermott, Dr C M Roney-Dougal			



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<b>MT1007 Statistics in Practice</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	11.00 am			
This module provides an introduction to statistical reasoning, elementary but powerful statistical methodologies, and real world applications of statistics. Case studies, such as building an optimal stock portfolio, and data vignettes 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.				
<b>Programme module type:</b>	Optional for all programmes within the School. Compulsory for all single and joint BSc Management Science degree programmes.			
<b>Pre-requisite(s):</b>	An A grade at GCSE/Grade 1 at Standard Grade Mathematics or a C grade at AS level/Higher Mathematics.			
<b>Required for:</b>	MT3833			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures (weeks 1 - 10), 1 tutorial and 1 laboratory (weeks 2 - 11).			
	<b>Scheduled learning:</b> 60 hours		<b>Guided independent study:</b> 140 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr V M Popov			
<b>Lecturer(s)/Tutor(s):</b>	Dr V M Popov, tba			

<b>MT1010 Topics in Mathematics: Problem-solving Techniques</b>				
<b>SCOTCAT Credits:</b>	10	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am Mon (odd weeks), Wed and Fri			
<b>Availability restrictions:</b>	Available only to students on Fast-Track MMath programmes.			
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.				
<b>Programme module type:</b>	Optional for all programmes within the School. Compulsory for all single and joint BSc Management Science degree programmes.			
<b>Pre-requisite(s):</b>	Admission onto the Fast Track MMath degree programme			
<b>Co-requisite(s):</b>	MT1002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1.5-hour lecture, practical class, and tutorial (x 10 weeks)			
	<b>Scheduled learning:</b> 35 hours		<b>Guided independent study:</b> 65 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 1.5-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Prof D L Borchers			
<b>Lecturer(s)/Tutor(s):</b>	Prof D L Borchers, Dr M Carr, Prof N Ruskuc			

**Mathematics & Statistics - 1000 & 2000 Level - 2014/15 - August 2014**

<b>MT2501 Linear Mathematics</b>				
<b>SCOTCAT Credits:</b>	15	SCQF Level 8	<b>Semester:</b>	1 & 2 (taught twice)
<b>Planned timetable:</b>	12.00 noon Mon (odd weeks), Wed and Fri [Semester 1] 11.00 am on Mon (even weeks), Tue and Thu [Semester 2]			
<p>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.</p> <p>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>				
<b>Programme module type:</b>	Compulsory for all programmes in the School of Mathematics & Statistics. Compulsory for all programmes in the School of Physics & Astronomy. Compulsory for all single and joint BSc Management Science degree programmes.			
<b>Pre-requisite(s):</b>	MT1002, or A at Advanced Higher Mathematics, or A at A-level Further Mathematics, or A at both A-level Mathematics and A-level Physics			
<b>Anti-requisite(s):</b>	MT2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2.5-hour lectures (x 10 weeks), 1 tutorial (x 5 weeks), 1 examples class (x 5 week)			
	<b>Scheduled learning:</b> 35 hours		<b>Guided independent study:</b> 115 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 85%, Practical Examinations = 0%, Coursework = 15%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework (including class test) = 30%			
<b>Module Co-ordinator:</b>	Dr S Huczynska (Sem 1); Prof S T Buckland (Sem 2)			
<b>Lecturer(s)/Tutor(s):</b>	Semester 1: Dr S Huczynska; Semester 2: Prof S T Buckland			

**Mathematics & Statistics - 1000 & 2000 Level - 2014/15 - August 2014**

<b>MT2502 Analysis</b>				
<b>SCOTCAT Credits:</b>	15	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am Mon (even weeks), Tue and Thu			
<p>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.</p> <p>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>				
<b>Programme module type:</b>	Compulsory for all MMath programmes. Optional for all other undergraduate programmes in the School of Mathematics & Statistics.			
<b>Pre-requisite(s):</b>	MT1002 or A at Advanced Higher Mathematics or A at A-level Further Mathematics			
<b>Anti-requisite(s):</b>	MT2002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2.5-hour lectures (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)			
	<b>Scheduled learning:</b> 35 hours		<b>Guided independent study:</b> 115 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework (including 2 class tests) = 30%			
<b>Module Co-ordinator:</b>	Dr M Todd			
<b>Lecturer(s)/Tutor(s):</b>	Dr M Todd			

Mathematics & Statistics - 1000 & 2000 Level - 2014/15 - August 2014

MT2503 Multivariate Calculus			
<b>SCOTCAT Credits:</b>	15	SCQF Level 8	<b>Semester:</b> 1
<b>Planned timetable:</b>	12 noon Mon (even weeks), Tue and Thu		
<p>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.</p> <p>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>			
<b>Programme module type:</b>	<p>Compulsory for all MMath programmes.</p> <p>Compulsory for BSc Mathematics &amp; Physics and MPhys Mathematics &amp; Theoretical Physics degree programmes.</p> <p>Compulsory for all single and joint Honours BSc/MA Statistics programmes.</p> <p>Optional for all other undergraduate programmes in the School of Mathematics &amp; Statistics.</p> <p>Compulsory for all programmes in the School of Physics &amp; Astronomy.</p>		
<b>Pre-requisite(s):</b>	MT1002, or A at Advanced Higher Mathematics, or A at A-level Further Mathematics, or A at both A-level Mathematics and A-level Physics		
<b>Anti-requisite(s):</b>	MT2001		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2.5-hour lecture (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)		
	<b>Scheduled learning:</b> 35 hours	<b>Guided independent study:</b> 115 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework = 30%		
<b>Module Co-ordinator:</b>	Prof A W Hood		
<b>Lecturer(s)/Tutor(s):</b>	Prof A W Hood, Prof D G Dritschel		

**Mathematics & Statistics - 1000 & 2000 Level - 2014/15 - August 2014**

<b>MT2504 Combinatorics and Probability</b>				
<b>SCOTCAT Credits:</b>	15	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am Mon (odd weeks), Wed and Fri			
<p>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.</p> <p>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>				
<b>Programme module type:</b>	Compulsory for all MMath programmes. Compulsory for all BSc/MA Statistics programmes. Optional for all other undergraduate programmes in the School of Mathematics & Statistics. Compulsory for all single and joint BSc Management Science degree programmes.			
<b>Pre-requisite(s):</b>	MT1002 or A at Advanced Higher Mathematics or A at A-level Further Mathematics			
<b>Anti-requisite(s):</b>	MT2004 or MT2005			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2.5-hour lectures (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)			
	<b>Scheduled learning:</b> 35 hours		<b>Guided independent study:</b> 115 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Dr C M Roney-Dougal			
<b>Lecturer(s)/Tutor(s):</b>	Dr C M Roney-Dougal, Dr R King			

## Mathematics & Statistics - 1000 & 2000 Level - 2014/15 - August 2014

MT2505 Abstract Algebra			
<b>SCOTCAT Credits:</b>	15	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	11.00 am Mon (odd weeks), Wed and Fri		
<p>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.</p> <p>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>			
<b>Programme module type:</b>	Compulsory for all MMath programmes. Optional for all other undergraduate programmes in the School of Mathematics & Statistics.		
<b>Pre-requisite(s):</b>	MT1002 or A at Advanced Higher Mathematics or A at A-level Further Mathematics		
<b>Anti-requisite(s):</b>	MT2002		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2.5-hour lectures (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)		
	<b>Scheduled learning:</b> 35 hours	<b>Guided independent study:</b> 115 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework = 30%		
<b>Module Co-ordinator:</b>	Dr J D Mitchell		
<b>Lecturer(s)/Tutor(s):</b>	Dr J D Mitchell		

MT2506 Vector Calculus				
<b>SCOTCAT Credits:</b>	15	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	9.00 am Mon (even weeks), Tue and Thu			
<p>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.</p> <p>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>				
<b>Programme module type:</b>	Compulsory for all MMath programmes. Optional for all other undergraduate programmes in the School of Mathematics & Statistics.			
<b>Pre-requisite(s):</b>	MT2503	<b>Anti-requisite(s):</b>	MT2003	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2.5-hour lecture (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)			
	<b>Scheduled learning:</b> 35 hours		<b>Guided independent study:</b> 115 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 85%, Practical Examinations = 0%, Coursework = 15%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework (including class test) = 30%			
<b>Module Co-ordinator:</b>	Prof I De Moortel			
<b>Lecturer(s)/Tutor(s):</b>	Prof I De Moortel			

MT2507 Mathematical Modelling				
<b>SCOTCAT Credits:</b>	15	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon Mon (odd weeks), Wed and Fri			
<p>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.</p> <p>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>				
<b>Programme module type:</b>	Compulsory for all MMath programmes. Optional for all other undergraduate programmes in the School of Mathematics & Statistics.			
<b>Pre-requisite(s):</b>	MT2503	<b>Anti-requisite(s):</b>	MT2003	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2.5-hour lectures (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)			
	<b>Scheduled learning:</b> 35 hours		<b>Guided independent study:</b> 115 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Prof T Neukirch			
<b>Lecturer(s)/Tutor(s):</b>	Prof T Neukirch			

## Mathematics & Statistics - 1000 & 2000 Level - 2014/15 - August 2014

MT2508 Statistical Inference			
<b>SCOTCAT Credits:</b>	15	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	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.</p> <p>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>			
<b>Programme module type:</b>	Compulsory for all MMath programmes. Compulsory for all BSc/MA Statistics programmes. Optional for all other undergraduate programmes in the School of Mathematics & Statistics. Compulsory for all single and joint Honours BSc Management Science programmes.		
<b>Pre-requisite(s):</b>	MT2504	<b>Anti-requisite(s):</b>	MT2004 or EC2003
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2.5-hour lectures (x 10 weeks), 1-hour tutorial (x 5 weeks), 1-hour examples class (x 5 weeks)		
	<b>Scheduled learning:</b> 35 hours	<b>Guided independent study:</b> 115 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 70%, Coursework = 30%		
<b>Module Co-ordinator:</b>	Dr M Papathomas		
<b>Lecturer(s)/Tutor(s):</b>	Dr M Papathomas		



## School of Medicine

### Medicine (MD) modules

MD2001 Foundations of Medicine 1				
<b>SCOTCAT Credits:</b>	60	SCQF Level 8	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students enrolled in the BSc Honours Medicine programme.			
<b>Planned timetable:</b>	To be arranged.			
<p>The medical course takes the form of an integrated spiral curriculum. 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, topics will be revisited at a more advanced level and with increasing clinical application. A series of core clinical cases illustrates the clinical context throughout Foundations of Medicine 1 and 2. Foundations of Medicine 1 reviews molecular and cellular medicine; provides a general overview of the structure and functions of the body systems from the microscopic to the macroscopic level; gives a preliminary introduction to medical ethics and communication skills relevant to medicine; uses clinical problems to develop an understanding of the levels of consciousness and the assessment of health status. The module also includes an anatomical overview of the major body systems and the dissection of the back.</p>				
<b>Programme module type:</b>	Compulsory for BSc Honours Medicine - not available to any other students			
<b>Pre-requisite(s):</b>	There will be direct entry into course for students approved by the Faculty Executive Group of Medicine.			
<b>Required for:</b>	MD3001, MD3002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 10 Lectures and 6 hours of seminars/tutorials/practicals each week. Clinical case studies, clinical and communication skills on a 2-week cycle including 1 x 2 hours session with volunteer patients. Up to 6 hours per week of directed self-learning			
	<b>Scheduled learning:</b> 250 hours		<b>Guided independent study:</b> 350 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	<b>As used by St Andrews:</b> Module Examinations will comprise 2 written examinations totaling 75% of the module grade.  Coursework will comprise a written examination totaling 25% of the module grade.			
<b>Module Co-ordinator:</b>	Dr A Hughes, Dr J F Aiton			

Medicine - 2000 Level - 2014/15 - August 2014

MD2002 Foundations of Medicine 2			
<b>SCOTCAT Credits:</b>	60	SCQF Level 8	<b>Semester:</b> 2
<b>Availability restrictions:</b>	Available only to students enrolled in the BSc Honours Medicine programme.		
<b>Planned timetable:</b>	To be arranged.		
<p>Foundations of Medicine 2 continues the introduction of fundamental topics into the curriculum 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 deep vein thrombosis, trauma, bronchial carcinoma and stroke.</p>			
<b>Programme module type:</b>	Compulsory for BSc Honours Medicine - not available to any other students		
<b>Pre-requisite(s):</b>	There will be direct entry into course for students approved by the Faculty Executive Group of Medicine.		
<b>Required for:</b>	MD3001, MD3002		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 10 Lectures and 6 hours of seminars/tutorials/practicals each week. Clinical case studies, 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		
	<b>Scheduled learning:</b> 250 hours	<b>Guided independent study:</b> 350 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	<b>As used by St Andrews:</b> Module Examinations will comprise 2 written examinations totaling 75% of the module grade. Attainment of competence in clinical skills appropriate for this module (Pass/Fail) totaling 0% of the module grade. Coursework will comprise a written examination totaling 25% of the module grade.		
<b>Module Co-ordinator:</b>	Dr A Hughes, Dr J F Aiton		

## School of Modern Languages

### Arabic (AR) modules

AR1001 Arabic for Beginners 1			
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b> 1
<b>Planned timetable:</b>	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.			
<b>Programme module type:</b>	Compulsory for Arabic		
<b>Anti-requisite(s):</b>	Native Speaker of Arabic who is fluent in Modern Standard Arabic, a pass at Higher, A-Level or equivalent.		
<b>Required for:</b>	AR1002		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 language classes and 1 surgery hour.		
	<b>Scheduled learning:</b> 66 hours	<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, approximately 15-minute Practical Examination = 20%, Coursework = 40%		
<b>Module Co-ordinator:</b>	Dr F Caiani		
<b>Lecturer(s)/Tutor(s):</b>	Dr F Caiani, Ms D Al Afranji, Mr M Whitehouse		

## Modern Languages - 1000 & 2000 Level - 2014/15 - August 2014

AR1002 Arabic for Beginners 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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			
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.				
<b>Programme module type:</b>	Compulsory for Arabic			
<b>Pre-requisite(s):</b>	AR1001	<b>Required for:</b>	AR2001	
<b>Anti-requisite(s):</b>	Native Speaker of Arabic who is fluent in Modern Standard Arabic.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 language classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, approximately 15-minute Practical Examination = 20%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr F Caiani			
<b>Lecturer(s)/Tutor(s):</b>	Dr F Caiani, Ms D Al Afranji, Mr M Whitehouse			

AR2001 Intermediate Arabic 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am. If timetable clash, Wed, Thu and Fri at 2 pm			
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.				
<b>Programme module type:</b>	Compulsory for Arabic			
<b>Pre-requisite(s):</b>	AR1002	<b>Required for:</b>	AR2002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 language classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, approximately 15-minute Practical Examination = 20%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr F Caiani			
<b>Lecturer(s)/Tutor(s):</b>	Dr F Caiani, Ms D Al Afranji, Mr M Whitehouse			

AR2002 Intermediate Arabic 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am. If timetable clash, Wed, Thu and Fri at 2 pm			
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.				
<b>Programme module type:</b>	Compulsory for Arabic			
<b>Pre-requisite(s):</b>	AR2001	<b>Required for:</b>	AR3201	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 language/text classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, approximately 15-minute Practical Examination = 20%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr F Caiani			
<b>Lecturer(s)/Tutor(s):</b>	Dr F Caiani, Ms D Al Afranji, Mr M Whitehouse			

AR2004 Introduction to Classical Arab Culture				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	5.00 Mon, Tue and Thu			
The 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 origins of the Arabic language and script, the Qur'an and its criticism, Islamic theology, Islamic art and architecture, Sufism, jurisprudence, philosophy, science, geography and historiography in the Islamic world.				
<b>Programme module type:</b>	Optional module available to all students.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 surgery hour			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr O Elmaz			
<b>Lecturer(s)/Tutor(s):</b>	Dr O Elmaz			

Comparative Literature (CO) modules

CO1001 The Nineteenth-Century Novel				
SCOTCAT Credits:	20	SCQF Level 7	Semester:	1
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, 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 - the novel - and one over-arching theme. The theme will change depending on staff availability, but for 2014-15 and 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>				
Programme module type:	CO1001 or CO1002 is compulsory for Comparative Literature. Either CO1001 or EN1003 is a compulsory module for English.			
Required for:	CO2001			
Learning and teaching methods and delivery:	Weekly contact: 3 lectures, 1 seminar, 1 surgery hour.			
	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%			
Module Co-ordinator:	Dr C Lawson			
Lecturer(s)/Tutor(s):	Team taught			

CO1002 Drama in the Twentieth and Twenty-first Centuries				
SCOTCAT Credits:	20	SCQF Level 7	Semester:	2
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 2014-15 and 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>				
Programme module type:	CO1001 or CO1002 is compulsory for Comparative Literature. Either CO1002 or EN1004 is a compulsory module for English.			
Learning and teaching methods and delivery:	Weekly contact: 3 lectures, 1 seminar, 1 surgery hour.			
	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%			
Module Co-ordinator:	Dr E Bond			
Lecturer(s)/Tutor(s):	Team taught			

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<b>CO2001 Good and Evil</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	1.00 pm			
<p>This module will provide students with the opportunity to develop skills acquired at Level 1 of the comparative literature core programme, whilst introducing them to a range of texts in which the theme of 'Good &amp; Evil' will be explored. This theme will provide a broad platform to investigate issues of morality and identity, and relationships between literature, religion, and psychology.</p> <p>Students will be reading texts originally written in a range of languages (Arabic, English, French, German, Italian, Persian, Russian and Spanish), of various genres (e.g. novels, short stories, essays, letters, poetry), written between the thirteenth and the twenty-first century. They will be encouraged to reflect on the cultural, intellectual and philosophical paradigms influencing the evolution of notions of good and evil, and on the historical circumstances which determined them. These will in turn form the basis of the comparative analysis of the different ways in which Good and Evil are perceived and represented in the texts considered. Linguistic and stylistic features, structural and genre-related aspects, and issues raised by translation will form an integral part of the module.</p>				
<b>Programme module type:</b>	Compulsory for Comparative Literature			
<b>Pre-requisite(s):</b>	CO1001 or CO1002	<b>Required for:</b>	CO2002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures, 1 seminar, 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr E Bond			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

<b>CO2002 Journeys</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	1.00 pm			
<p>This module will provide students with the opportunity to develop skills acquired at Level 1 of the comparative literature programme, whilst introducing them to a range of texts - both canonical and non-canonical - offering variants on the theme of 'Journeys'. As a topos which lends itself to several layers of interpretation, 'Journeys' will provide a platform for students to explore concepts such as (inter-cultural) identity, alterities, encounters, in 'real' as well as imaginary travels or journeys. Students will be reading texts originally written in a range of languages (Arabic, English, French, German, Italian, Persian, Russian and Spanish), of various genres (e.g. novel, diary, letters, essay, poetry), written between the thirteenth and the twenty-first century, and will be encouraged to reflect on the similarities and differences between the narrative treatment of journeys to specific geographic locations. As with all comparative modules, the importance of form, and the role of translation in its linguistic and cultural sense, will remain at the centre of all discussions.</p>				
<b>Programme module type:</b>	Compulsory for Comparative Literature			
<b>Pre-requisite(s):</b>	CO2001	<b>Required for:</b>	Honours Entry	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures, 1 seminar, 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr C Lawson			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

French (FR) modules

FR1001 French Language and Literature 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for all degrees including French			
<b>Pre-requisite(s):</b>	Higher, SYS or A-Level French (or European equivalent, or International Baccalauréat, or AP score of 4 or 5, or SATII score of 700+).			
<b>Required for:</b>	FR1002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr J S O Carson			

FR1002 French Language and Literature 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for all degrees including French.			
<b>Pre-requisite(s):</b>	FR1001	<b>Required for:</b>	FR2021, FR2031	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr J S O Carson			



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<b>FR2021 French Language and Society 1</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	12.00 noon			
The module comprises two main elements: (i) French Language; (ii) Introduction to French history. The French Language strand builds on core competencies acquired in Year 1 and focuses on oral and written communication skills, language analysis, expression. The history component provides an introduction to the broad historical development of France from the Renaissance to 1789, studying both large-scale trends and important texts which are analysed in their historical context.				
<b>Programme module type:</b>	Compulsory for French and Classics, Biology with French, Chemistry with French, Chemistry with French and External Placement, all Three-Subject degrees including French.			
<b>Pre-requisite(s):</b>	FR1002	<b>Anti-requisite(s):</b>	FR2031	
<b>Required for:</b>	FR2022			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 or 5 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr G Bowd			

<b>FR2022 French Language and Society 2</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon			
The module develops further the two main elements of FR2021.				
<b>Programme module type:</b>	Compulsory for French and Classics, Biology with French, Chemistry with French, Chemistry with French and External Placement, all Three-Subject degrees including French.			
<b>Pre-requisite(s):</b>	FR2021	<b>Anti-requisite(s):</b>	FR2032	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 or 5 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr G Bowd			

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FR2031 French Studies 1				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	12.00 noon			
The module comprises three main elements: (i) French Language; (ii) Introduction to French history; (iii) French Literature. The French Language strand builds on core competencies acquired in Year 1 and focuses on oral and written communication skills, language analysis, expression. The history component provides an introduction to the broad historical development of France from the Renaissance to 1789, studying both large-scale trends and important texts which are analysed in their historical context. The French Literature strand comprises a survey of literature from the sixteenth century to the eighteenth century which enhances critical skills and the appreciation of major French literary texts.				
<b>Programme module type:</b>	Compulsory for French			
<b>Pre-requisite(s):</b>	FR1002	<b>Anti-requisite(s):</b>	FR2021	
<b>Required for:</b>	FR2032			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 6 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 223 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr G Bowd			

FR2032 French Studies 2				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon			
The module develops further the three main elements of FR2031.				
<b>Programme module type:</b>	Compulsory for French			
<b>Pre-requisite(s):</b>	FR2031	<b>Anti-requisite(s):</b>	FR2022	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 6 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 223 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr G Bowd			

## German (GM) modules

GM1001 First Level German A 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	3.00 pm			
The module, which lays the foundation for study of German language and literature at university level, is designed for students of German as a foreign language. Two weekly language classes and self-access computer-assisted language practice aim to develop speaking, reading and writing skills and grammatical competence, using materials which cover aspects of contemporary German society and culture. Weekly lectures and seminars will give students an introduction to German studies. They will familiarise students with techniques of understanding and analysing a variety of texts - narrative, poetic and historical - as well as linguistic patterns. Please note that this module is not designed for native or heritage speakers of German.				
<b>Programme module type:</b>	Optional for all degrees involving German.			
<b>Pre-requisite(s):</b>	SCE Higher or A-Level German or equivalent	<b>Required for:</b>	GM1002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 lecture, 1 seminar, 2 language classes, CALL classroom work and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Frau I Hartung			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

GM1002 First Level German A 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	3.00 pm			
This module builds on the foundation study of German language and literature in Module GM1001. Language classes and CALL practice will further develop speaking, reading and writing skills and grammatical competence, using materials which cover aspects of contemporary German society and culture. Lectures and seminars extend the study of modern literary texts, helping students to develop further their reading and analytical skills and placing the texts in their social and cultural historical context. Please note that this module is not designed for native or heritage speakers of German.				
<b>Programme module type:</b>	Optional for all degrees involving German			
<b>Pre-requisite(s):</b>	GM1001	<b>Required for:</b>	GM2001, GM2003	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 lecture, 1 seminar, 2 language classes, CALL classroom work and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Frau I Hartung			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Modern Languages - 1000 & 2000 Level - 2014/15 - August 2014

GM1003 First Level German B 1			
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b> 1
<b>Planned timetable:</b>	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>			
<b>Programme module type:</b>	Optional for all degrees involving German		
<b>Anti-requisite(s):</b>	Native speaker of German, a pass at Higher, A-Level or equivalent		
<b>Required for:</b>	GM1004		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 language classes and 1 surgery hour.		
	<b>Scheduled learning:</b> 55 hours	<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%		
<b>Module Co-ordinator:</b>	Frau I Hartung		
<b>Lecturer(s)/Tutor(s):</b>	Team taught		

GM1004 First Level German B 2			
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b> 2
<b>Planned timetable:</b>	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>			
<b>Programme module type:</b>	Optional for all degrees involving German		
<b>Pre-requisite(s):</b>	GM1003	<b>Required for:</b>	GM2007, GM2009
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 language classes and 1 surgery hour.		
	<b>Scheduled learning:</b> 55 hours	<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%		
<b>Module Co-ordinator:</b>	Frau I Hartung		
<b>Lecturer(s)/Tutor(s):</b>	Team taught		

**Modern Languages - 1000 & 2000 Level - 2014/15 - August 2014**

<b>GM2001 Second Level German A 1</b>				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	9.00 am			
The module aims to further the written and spoken language skills and the ability to read and analyse literary texts acquired by students in GM1001 and GM1002. It continues the pre-honours coverage of German as a university subject by extending students' knowledge of the literature of Germany in the Middle Ages and of the eighteenth and nineteenth centuries, as well as German linguistics. Language classes will concentrate on practice in writing German, grammar as well as oral and aural competence.				
<b>Programme module type:</b>	Either (GM2001 and GM2002) or (GM2009 and GM2010) are compulsory for Single and Joint Honours German. GM2001 or GM2002 is optional for Three-Subject degrees including German, Economics with German.			
<b>Pre-requisite(s):</b>	GM1002	<b>Anti-requisite(s):</b>	GM2003	
<b>Required for:</b>	GM2002, GM2004			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 6 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 223 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr A Cusack			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

<b>GM2002 Second Level German A 2</b>				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	9.00 am			
This module builds on the language and literary studies in module GM2001 and completes the pre-honours presentation of core areas of German as a university subject with the extension of students' knowledge of modern literature of the twentieth century and contemporary German linguistics. Language classes will continue to concentrate on written skills, including translation and the production of practical text types such as letters, reports and applications and will further promote students' oral communicative skills.				
<b>Programme module type:</b>	Either (GM2001 and GM2002) or (GM2009 and GM2010) are compulsory for Single and Joint Honours German. GM2001 or GM2002 is an Optional for Three-Subject degrees including German, Economics with German.			
<b>Pre-requisite(s):</b>	GM2001 or GM2003	<b>Anti-requisite(s):</b>	GM2004	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 6 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 223 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr A Cusack			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

Modern Languages - 1000 & 2000 Level - 2014/15 - August 2014

GM2003 Second Level German Language A 1				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	To be arranged.			
This module builds on modules GM1001 and GM1002, and consists of the German Language element of module GM2001. 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.				
<b>Programme module type:</b>	GM2003 or GM2004 is optional for Three-Subject degrees including German, Economics with German			
<b>Pre-requisite(s):</b>	GM1002	<b>Anti-requisite(s):</b>	GM2001	
<b>Required for:</b>	GM2002, GM2004			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 33 hours		<b>Guided independent study:</b> 67 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 1-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr A Cusack			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

GM2004 Second Level German Language A 2				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	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, using the language element of module GM2002.				
<b>Programme module type:</b>	GM2003 or GM2004 is an Optional for Three-Subject degrees including German, Economics with German			
<b>Pre-requisite(s):</b>	GM2001 or GM2003	<b>Anti-requisite(s):</b>	GM2002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 and 1 surgery hour.			
	<b>Scheduled learning:</b> 33 hours		<b>Guided independent study:</b> 67 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 1-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr A Cusack			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

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<b>GM2007 Second Level German Language B 1</b>				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	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. Students are expected to use CALL programmes on a self-access basis.				
<b>Programme module type:</b>	GM2007 or GM2008 is optional for Three-Subject degrees including German, Economics with German			
<b>Pre-requisite(s):</b>	GM1004	<b>Anti-requisite(s):</b>	GM2009	
<b>Required for:</b>	GM2008, GM2010			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 33 hours		<b>Guided independent study:</b> 67 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 1-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr A Cusack			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

<b>GM2008 Second Level German Language B 2</b>				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	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. CALL programmes are a prescribed part of the course.				
<b>Programme module type:</b>	GM2007 or GM2008 is optional for Three-Subject degrees including German, Economics with German			
<b>Pre-requisite(s):</b>	GM2007 or GM2009	<b>Anti-requisite(s):</b>	GM2010	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 hours and 1 surgery hour.			
	<b>Scheduled learning:</b> 33 hours		<b>Guided independent study:</b> 67 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 1-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr A Cusack			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Modern Languages - 1000 & 2000 Level - 2014/15 - August 2014

GM2009 Second Level German B 1			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 1
<b>Planned timetable:</b>	9.00 am Tue, Wed, Thu and to be arranged.		
<p>The module is designed for students who have taken the First Level B modules GM1003 and GM1004 and prepares them for entry to Honours courses by intensive language work and by introducing them to the study of modern and mediaeval literature. 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. Students are expected to use CALL programmes on a self-access basis. Lectures and seminars on works by modern authors will develop literary skills. Lectures and seminars on mediaeval literature will help students acquire reading competence and awareness of the literary culture of the Middle Ages.</p>			
<b>Programme module type:</b>	Either (GM2009 and GM2010) or (GM2001 and GM2002) are compulsory for Single and Joint Honours German. GM2009 or GM2010 is optional for Three-Subject degrees including German, Economics with German.		
<b>Pre-requisite(s):</b>	GM1004	<b>Anti-requisite(s):</b>	GM2007
<b>Required for:</b>	GM2008, GM2010		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 6 hours and 1 surgery hour.		
	<b>Scheduled learning:</b> 77 hours	<b>Guided independent study:</b> 223 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, Coursework = 40%		
<b>Module Co-ordinator:</b>	Dr A Cusack		
<b>Lecturer(s)/Tutor(s):</b>	Team taught		

GM2010 Second Level German B 2			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	9.00 am Tue, Wed, Thu and Fri and to be arranged.		
<p>This module builds on the language and Building on GM2009, the module aims to provide further intensive language study for students who took the First Level B modules. It continues to develop reading, analytical, writing, listening and speaking skills and grammatical competence. CALL programmes are a prescribed part of the course. The literature course will be based on texts by modern authors. An introduction to German linguistics will complete a pre-honours coverage of German as a university subject.</p>			
<b>Programme module type:</b>	Either (GM2009 and GM2010) or (GM2001 and GM2002) are compulsory for Single and Joint Honours German. GM2009 or GM2010 is optional for Three-Subject degrees including German, Economics with German.		
<b>Pre-requisite(s):</b>	GM2009 or GM2007	<b>Anti-requisite(s):</b>	GM2008
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 6 hours and 1 surgery hour.		
	<b>Scheduled learning:</b> 77 hours	<b>Guided independent study:</b> 223 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, Coursework = 40%		
<b>Module Co-ordinator:</b>	Dr A Cusack		
<b>Lecturer(s)/Tutor(s):</b>	Team taught		



## Italian (IT) modules

IT1001 Introduction to Italian Language				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	Fortnightly lectures 10.00 am Mon (beginning week 2) plus various 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.				
<b>Programme module type:</b>	Either (IT1001 and IT1002) or (IT1003 and IT1004) are compulsory for Italian			
<b>Anti-requisite(s):</b>	Native speaker of Italian, a pass at Higher, A-Level or equivalent	<b>Required for:</b>	IT1002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3-4 language classes and 1 surgery hour (x 11) and 1 x 1-hour lecture per fortnight.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr C Rossignoli			
<b>Lecturer(s)/Tutor(s):</b>	Italian Department staff and Italian Language Tutors			

IT1002 Italian Language (Elementary)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	Fortnightly lectures 10.00 am Mon (beginning week 2) plus various language classes normally meeting at 10.00 am or 11.00 am, or 12.00 noon Tue-Fri			
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 Italian literature will be introduced through the reading short stories in Italian. Please note that this module is not designed for native or heritage speakers of Italian.				
<b>Programme module type:</b>	Either (IT1001 and IT1002) or (IT1003 and IT1004) are compulsory for Italian			
<b>Pre-requisite(s):</b>	IT1001 or Higher Italian or its equivalent	<b>Required for:</b>	IT2001	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 oral class, 3 language classes and 1 surgery hour (x 11 weeks) and 1 fortnightly lecture.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 10%, Coursework = 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Practical Examination = 10%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Dr R Wilson			
<b>Lecturer(s)/Tutor(s):</b>	Italian Department staff and Italian Language Tutors			

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IT1003 Italian Language Intermediate 1				
<b>SCOTCAT Credits:</b>	10	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	By arrangement			
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 or heritage speakers of Italian.				
<b>Programme module type:</b>	Either (IT1001 and IT1002) or (IT1003 and IT1004) are compulsory for Italian			
<b>Pre-requisite(s):</b>	A-Level or Higher Italian. A pass mark in an additional, departmental entrance test would allow access also to students with a slightly lower qualification (e.g. GCSE, etc.)			
<b>Co-requisite(s):</b>	IT1013	<b>Required for:</b>	IT1004	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 56 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 20%, Coursework = 80%			
	<b>As used by St Andrews:</b> Coursework = 100% (20% Oral test, 80% Continuous assessment)			
<b>Module Co-ordinator:</b>	TBC			

IT1004 Italian Language Intermediate 2				
<b>SCOTCAT Credits:</b>	10	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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, practical oral language classes. Please note that this module is not designed for native or heritage speakers of Italian.				
<b>Programme module type:</b>	Either (IT1001 and IT1002) or (IT1003 and IT1004) are compulsory for Italian			
<b>Pre-requisite(s):</b>	IT1003			
<b>Co-requisite(s):</b>	IT1014	<b>Required for:</b>	IT2001	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 classes and 1 surgery hour			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 56 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 10%, Coursework = 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40% (10% Oral test, 30% Continuous assessment)			
<b>Module Co-ordinator:</b>	TBC			
<b>Lecturer(s)/Tutor(s):</b>	TBC			

IT1013 Italian Geographies				
<b>SCOTCAT Credits:</b>	10	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	Lectures 10.00 am Mon (beginning week 2)			
This module aims to give students some sense of that complexity through the study of particular places which have played an important role in national identity formation. The module will look at a range of different texts to explore places such as major cities like Rome and Venice; symbolic sites such as Piazza Fontana and the Fosse Ardeatine; sites of socialisation such as the piazza or centro di permanenza.				
<b>Programme module type:</b>	Optional for Italian			
<b>Co-requisite(s):</b>	IT1003 or IT2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 33 hours		<b>Guided independent study:</b> 67 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr R M Riccobono			
<b>Lecturer(s)/Tutor(s):</b>	Dr R M Riccobono			

IT1014 Italian Histories				
<b>SCOTCAT Credits:</b>	10	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	Lectures 10.00 am Mon (beginning week 2)			
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.				
<b>Programme module type:</b>	Optional for Italian			
<b>Co-requisite(s):</b>	IT1004 or IT2002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 33 hours		<b>Guided independent study:</b> 67 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr C Rossignoli			
<b>Lecturer(s)/Tutor(s):</b>	Dr C Rossignoli			

## Modern Languages - 1000 & 2000 Level - 2014/15 - August 2014

IT2001 Second Level Italian				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	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 Italian culture and language of different periods.				
<b>Programme module type:</b>	Compulsory for Italian			
<b>Pre-requisite(s):</b>	IT1002 or IT1004	<b>Required for:</b>	IT2002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 language classes, 2 literature classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 15%, Coursework = 85%			
	<b>As used by St Andrews:</b> Coursework = 100% (15% Oral test, 85% Literature essays and language work)			
<b>Module Co-ordinator:</b>	Prof D Duncan			
<b>Lecturer(s)/Tutor(s):</b>	Dr C Rossignoli, Dr R Riccobono, Prof D Duncan, Dr E Bond and Language Tutors			

IT2002 Second Level Italian (Advanced)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	5.00 pm Tue and Thu for literature classes. 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 Dante and modern Italian culture.				
<b>Programme module type:</b>	Compulsory for Italian			
<b>Pre-requisite(s):</b>	IT2001	<b>Required for:</b>	IT3001	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 language classes, 2 literature classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 15%, Coursework = 35%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% (25% essays and 25% language work)			
<b>Module Co-ordinator:</b>	Prof D Duncan			
<b>Lecturer(s)/Tutor(s):</b>	Prof D Duncan, Dr R P Wilson, Dr E Bond and Italian Language Tutors			

## Persian (PR) modules

PR1001 Persian for Beginners 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for Persian Available to any other degree programme.			
<b>Anti-requisite(s):</b>	Native speaker of Persian, a pass at Higher, A-Level or equivalent.	<b>Required for:</b>	PR1002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 language classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, approximately 15-minute Oral Examination = 20%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr M Ghorbankarimi			
<b>Lecturer(s)/Tutor(s):</b>	Dr M Ghorbankarimi			

PR1002 Persian for Beginners 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for Persian Available to any other degree programme.			
<b>Pre-requisite(s):</b>	PR1001	<b>Required for:</b>	PR2001	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 language classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, approximately 15-minute Oral Examination = 20%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr M Ghorbankarimi			
<b>Lecturer(s)/Tutor(s):</b>	Dr M Ghorbankarimi			

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PR2001 Intermediate Persian 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	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>				
<b>Programme module type:</b>	Compulsory for Persian Available to any other degree programme.			
<b>Pre-requisite(s):</b>	PR1002	<b>Required for:</b>	PR2002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-Hour Written Examination = 40%, approximately 15-minute Oral Examination = 20%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr M Ghorbankarimi			
<b>Lecturer(s)/Tutor(s):</b>	Dr M Ghorbankarimi			

PR2002 Intermediate Persian 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	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>				
<b>Programme module type:</b>	Compulsory for Persian Available to any other degree programme.			
<b>Pre-requisite(s):</b>	PR2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 1 surgery hour.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 20%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, approximately 15-minute Oral Examination = 20%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr M Ghorbankarimi			
<b>Lecturer(s)/Tutor(s):</b>	Dr M Ghorbankarimi			

## Russian (RU) modules

RU1001 Elementary Russian Language 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for Russian			
<b>Anti-requisite(s):</b>	RU1005	<b>Required for:</b>	RU1002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 lecture, 3 language classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 15%, Coursework = 25%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Practical Test = 15%, Coursework = 25%			
<b>Module Co-ordinator:</b>	Dr O Voronina			
<b>Lecturer(s)/Tutor(s):</b>	Dr O Voronina			

RU1002 Elementary Russian Language 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for Russian			
<b>Pre-requisite(s):</b>	RU1001	<b>Anti-requisite(s):</b>	RU1006	
<b>Required for:</b>	RU2001, RU2003, RU2100, RU2110			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 lecture, 3 language classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 15%, Coursework = 25%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Practical Test = 15%, Coursework = 25%			
<b>Module Co-ordinator:</b>	Dr O Voronina			
<b>Lecturer(s)/Tutor(s):</b>	Dr O Voronina			

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RU1005 Advanced Elementary Russian Language and Literature 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for Russian			
<b>Pre-requisite(s):</b>	SCE Higher Russian or its equivalent.	<b>Anti-requisite(s):</b>	RU1001	
<b>Required for:</b>	RU1006			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 language classes, 1 oral class and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 10%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Practical Test = 10%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr E Finer			

RU1006 Advanced Elementary Russian Language and Literature 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for Russian			
<b>Pre-requisite(s):</b>	RU1005	<b>Anti-requisite(s):</b>	RU1002	
<b>Required for:</b>	RU2005, RU2100, RU2105, RU2108			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 language classes, 1 oral class and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 10%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Practical Test = 10%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr C Whitehead			



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<b>RU2001 Intermediate Russian Language 1</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	3.00 pm plus 1 oral hour to be arranged.			
Following on from RU1001 and RU1002, this module represents the least intensive of the three second-level Russian tracks. The most important elements of Russian grammar given in the first year are reinforced in this course, and further points of grammar and syntax are taught. There are regular exercises of translation both from and into Russian. Spoken Russian is improved through small-group oral tuition classes with a native language instructor.				
<b>Programme module type:</b>	Optional for Three-Subject Degrees involving Russian, Economics with Russian, Mathematics with Russian			
<b>Pre-requisite(s):</b>	RU1002	<b>Anti-requisite(s):</b>	RU2003, RU2005, RU2100, RU2110	
<b>Required for:</b>	RU2002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 10%, Coursework = 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Practical Test = 10%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

<b>RU2002 Intermediate Russian Language 2</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am plus 1 oral hour to be arranged.			
The module continues the work provided in RU2001 and provides a comprehensive and thorough grounding in the Russian language, enough to be able to read all normal Russian texts with the aid of a dictionary and to be able to speak the language at an intermediate level. The finer points of grammar and syntax are taught, and these, together with new vocabulary, are reinforced and tested through regular translation exercises from and into Russian and short written tests. Spoken Russian is improved through small-group oral tuition classes with a native language instructor.				
<b>Programme module type:</b>	Optional for Three-Subject Degrees involving Russian, Economics with Russian, Mathematics with Russian			
<b>Pre-requisite(s):</b>	RU2001	<b>Anti-requisite(s):</b>	RU2004, RU2006, RU2109, RU2110	
<b>Required for:</b>	Russian Honours modules			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 10%, Coursework = 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Practical Test = 10%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

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RU2003 Intermediate Russian Language and Literature 1				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	3.00 pm and 1 hour to be arranged.			
<p>The module builds on the language teaching of the first year, and widens the range of literary texts studied so that the student is prepared for Honours Russian courses, for which it is a prerequisite. The most important elements of Russian grammar given in the First level modules are reinforced, and further points of grammar are taught. There are regular exercises of translation from and into Russian. Spoken Russian is improved through small-group tuition classes with a native language instructor. Three literary texts in Russian are studied, and two literature essays in English are required.</p>				
<b>Programme module type:</b>	Either (RU2003 and RU2004) or (RU2005 and RU2006) are compulsory for Single and Joint Honours Russian, Russian with Geography, Economics with Russian, Mathematics with Russian. Optional for Three-Subject Degrees involving Russian.			
<b>Pre-requisite(s):</b>	RU1002	<b>Anti-requisite(s):</b>	RU2001, RU2005, RU2100, RU2110	
<b>Required for:</b>	RU2004, RU2109			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 223 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 10%, Coursework = 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Practical Test = 10%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

RU2004 Intermediate Russian Language and Literature 2				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am and 1 hour to be arranged.			
<p>The module continues the kind of work provided in RU2003 and is a prerequisite for students wishing to do Honours Russian. The finer points of grammar and syntax are taught, and these, together with new vocabulary, are reinforced and tested through regular translation exercises from and into Russian and short written tests. Spoken Russian is improved through small-group oral tuition classes with a native language instructor. Literary texts in Russian are studied, and two literature essays in English are required.</p>				
<b>Programme module type:</b>	Either (RU2003 and RU2004) or (RU2005 and RU2006) are compulsory for Single and Joint Honours Russian, Russian with Geography, Economics with Russian, Mathematics with Russian. Optional for Three-Subject Degrees involving Russian			
<b>Pre-requisite(s):</b>	RU2110 or RU2003	<b>Anti-requisite(s):</b>	RU2002, RU2006, RU2106, RU2107, RU2109	
<b>Required for:</b>	Russian Honours modules			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 223 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 10%, Coursework = 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Practical Test = 10%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

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<b>RU2005 Advanced Intermediate Russian Language and Literature 1</b>				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am and 1 hour to be arranged.			
<p>The module builds on the language skills developed by more advanced students in the first year and widens the range of literary texts studied so that the student is prepared for Honours Russian courses, for which it is a prerequisite. Finer points of grammar and syntax are taught as are Russian vocabulary and word formation. Spoken Russian is improved through small group tuition with a native Russian language instructor. There are regular exercises of translation into and from Russian, as well as grammar and vocabulary quizzes. Three literary texts in Russian are studied, and two literature essays in English are required.</p>				
<b>Programme module type:</b>	Either (RU2005 and RU2006) or (RU2003 and RU2004) are compulsory for Single and Joint Honours Russian, Russian with Geography, Economics with Russian, Mathematics with Russian. Optional for Three-Subject Degrees involving Russian.			
<b>Pre-requisite(s):</b>	RU1006	<b>Anti-requisite(s):</b>	RU2001, RU2003, RU2105, RU2108	
<b>Required for:</b>	RU2006, RU2107			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 223 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 10%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Practical Test = 10%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

<b>RU2006 Advanced Intermediate Russian Language and Literature 2</b>				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am and 1 hour to be arranged and 1 surgery hour.			
<p>The module builds on the language skills developed by more advanced students in RU2005 and is a prerequisite for students wishing to do Honours Russian. Further points of grammar and syntax are taught. Spoken Russian continues to be improved through small group tuition with a native Russian language instructor. There are regular exercises of translation into and from Russian, as well as grammar text analysis. Literary texts in Russian are studied, and two literature essays in English are required.</p>				
<b>Programme module type:</b>	Either (RU2005 and RU2006) or (RU2003 and RU2004) are compulsory for Single and Joint Honours Russian, Russian with Geography, Economics with Russian, Mathematics with Russian. Optional for Three-Subject Degrees involving Russian.			
<b>Pre-requisite(s):</b>	RU2005 or RU2108	<b>Anti-requisite(s):</b>	RU2002, RU2004, RU2106, RU2107	
<b>Required for:</b>	Russian Honours Modules			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 223 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 10%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Practical Test = 10%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr V Donovan			
<b>Lecturer(s)/Tutor(s):</b>				

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RU2100 Intermediate Russian (Summer Course)				
<b>SCOTCAT Credits:</b>	40	SCQF Level 8	<b>Semester:</b>	Summer
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Optional for Russian			
<b>Pre-requisite(s):</b>	RU1002, RU1006 at Grade 16 or higher	<b>Anti-requisite(s):</b>	Any second-level Russian module	
<b>Required for:</b>	Russian Honours Modules			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Lectures and practical classes.			
	<b>Scheduled learning:</b> 0 hours		<b>Guided independent study:</b> 0 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 30%, Practical Examinations = 20%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 30%, Oral Examination = 20%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr E Finer			

RU2105 Advanced Intermediate Russian Language 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am			
The module builds on the language skills developed by more advanced students in the first year, so that the student is prepared for Honours Russian courses. Finer points of grammar and syntax are taught, as are Russian vocabulary and word-formation. Spoken Russian is improved through small-group tuition with a native Russian language instructor. There are regular exercises of translation from and into Russian, as well as grammar and vocabulary quizzes.				
<b>Programme module type:</b>	Optional for Three-Subject Degrees involving Russian			
<b>Pre-requisite(s):</b>	RU1006	<b>Anti-requisite(s):</b>	RU2001, RU2003, RU2005, RU2108	
<b>Required for:</b>	RU2106			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 10%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Practical Test = 10%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

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<b>RU2106 Advanced Intermediate Russian Language 2</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am			
The module builds on the language skills developed in RU2105, so that the student is prepared for Honours Russian courses, for which it is a prerequisite. The study of grammar and syntax, vocabulary and word-formation, is continued. Spoken Russian is improved through small-group tuition with a native Russian language instructor. There are regular exercises of translation from and into Russian, as well as grammar and vocabulary quizzes.				
<b>Programme module type:</b>	Optional for Three-Subject Degrees involving Russian			
<b>Pre-requisite(s):</b>	RU2105	<b>Anti-requisite(s):</b>	RU2002, RU2004, RU2006, RU2107	
<b>Required for:</b>	Russian Honours Modules			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 10%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Practical Test = 10%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

<b>RU2107 Supplementary Advanced Intermediate Russian Language 1</b>				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am			
The module builds on the language skills developed in RU2005, so that the student is prepared for Honours Russian courses, for which it is a prerequisite. The study of grammar and syntax, vocabulary and word-formation, is continued. Spoken Russian is improved through small-group tuition with a native Russian language instructor. There are regular exercises of translation from and into Russian, as well as grammar and vocabulary.				
<b>Programme module type:</b>	Optional for Three-Subject Degrees involving Russian			
<b>Pre-requisite(s):</b>	RU2005	<b>Anti-requisite(s):</b>	RU2002, RU2004, RU2006, RU2106	
<b>Required for:</b>	Russian Honours Modules			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 56 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

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RU2108 Supplementary Advanced Intermediate Russian Language 2				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am			
The module builds on the language skills developed by more advanced students in the first year and leads into RU2006. The study of grammar and syntax, vocabulary and word-formation, are continued. Spoken Russian is improved through small-group tuition with a native Russian language instructor. There are regular exercises of translation from and into Russian, as well as grammar and vocabulary.				
<b>Programme module type:</b>	Optional for Three-Subject Degrees involving Russian			
<b>Pre-requisite(s):</b>	RU1006	<b>Anti-requisite(s):</b>	RU2001, RU2003, RU2005, RU2105	
<b>Required for:</b>	RU2006			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 56 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

RU2109 Supplementary Intermediate Russian Language 1				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am			
The module continues the kind of work provided in RU2003 . The finer points of grammar and syntax are taught, and these, together with new vocabulary, are reinforced and tested through regular translation exercises from and into Russian and short written tests. Spoken Russian is improved through small-group tuition with a native Russian language instructor.				
<b>Programme module type:</b>	Optional for Three-Subject Degrees involving Russian			
<b>Pre-requisite(s):</b>	RU2003	<b>Anti-requisite(s):</b>	RU2002, RU2004, RU2006, RU2107	
<b>Required for:</b>	Russian Honours Modules			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 56 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

RU2110 Supplementary Intermediate Russian Language 2				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	1
<b>Academic year:</b>	2014/5			
<b>Planned timetable:</b>	3.00 pm			
The module builds on the language teaching of the first year and leads into RU2004. The most important elements of Russian grammar given in the First Level modules are reinforced, and further points of grammar are taught. There are regular exercises of translation from Russian into English, and short written quizzes. Spoken Russian is improved through small-group tuition with a native Russian language instructor.				
<b>Programme module type:</b>	Optional for Three-Subject Degrees involving Russian			
<b>Pre-requisite(s):</b>	RU1002	<b>Anti-requisite(s):</b>	RU2001, RU2003, RU2005, RU2105	
<b>Required for:</b>	RU2004			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 classes plus 1 oral hour and 1 surgery hour.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 56 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr V Donovan			

## Spanish (SP) modules

SP1001 Spanish Language and Texts 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to First Year students.			
<b>Planned timetable:</b>	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. The reading list is typically available on line as from the preceding month of May.				
<b>Programme module type:</b>	Either (SP1001 and SP1002) or (SP1003 and SP1004) are compulsory for Spanish			
<b>Pre-requisite(s):</b>	Higher/A-Level Spanish or equivalent.	<b>Anti-requisite(s):</b>	SP1003	
<b>Required for:</b>	SP1002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 language classes, 1 grammar lecture and 1 surgery hour (x 11 weeks), 1 lecture (x 9 weeks), 1 seminar (x 6 weeks).			
	<b>Scheduled learning:</b> 59 hours		<b>Guided independent study:</b> 141 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 15%, Practical Examinations = 0%, Coursework = 85%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr E Kefala			

## Modern Languages - 1000 & 2000 Level - 2014/15 - August 2014

SP1002 Spanish Language and Texts 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon			
<p>This module advances the 4 skills developed in SP1001. A language course book 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, and Spanish American writing, chosen for linguistic enrichment and cultural significance. The reading list is typically available on line as from the preceding month of May. The module aims at a level of attainment sufficient to enable the student to enter confidently the 2000-level modules</p>				
<b>Programme module type:</b>	Either (SP1001 and SP1002) or (SP1003 and SP1004) are compulsory for Spanish			
<b>Pre-requisite(s):</b>	SP1001	<b>Required for:</b>	SP2001, SP2003	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 language classes, 1 grammar lecture and 1 surgery hour (x 11 weeks), 1 lecture (x 9 weeks), 1 seminar (x 6 weeks)..			
	<b>Scheduled learning:</b> 59 hours		<b>Guided independent study:</b> 141 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr E Kefala			

SP1003 Spanish for Beginners 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to First Year students.			
<b>Planned timetable:</b>	2.00 pm or, if timetable clash, 3.00 pm.			
<p>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.</p>				
<b>Programme module type:</b>	Either (SP1003 and SP1004) or (SP1001 and SP1002) are compulsory for Spanish			
<b>Anti-requisite(s):</b>	Speaker of Spanish, a pass at Higher, A-Level or equivalent	<b>Required for:</b>	SP1004	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 language classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	TBC			



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<b>SP1004 Spanish for Beginners 2</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	2.00 pm or, if timetable clash, 3.00 pm.			
<p>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 nine class hours and six seminars devoted to Hispanic film and literature, chosen for their linguistic and cultural interest. Parallel texts and English sub-titled films are used initially, and the student is helped with annotated texts and computer glossary. 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.</p>				
<b>Programme module type:</b>	Either (SP1003 and SP1004) or (SP1001 and SP1002) are compulsory for Spanish			
<b>Pre-requisite(s):</b>	SP1003	<b>Required for:</b>	SP2003, SP2005	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 language classes, 1 lecture and 1 seminar and 1 surgery hour.			
	<b>Scheduled learning:</b> 58 hours		<b>Guided independent study:</b> 142 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	TBC			

<b>SP1030 Introduction to Modern Latin America</b>				
<b>SCOTCAT Credits:</b>	10	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	1.00 pm Mon and Fri			
<p>This module offers an introduction to modern Latin American history. Starting with the Wars of Independence (1804-1825), it traces the political history of Spanish America, Brazil and Haiti up to the present. Adopting a thematic approach, within a continental-based narrative, this module focuses on the early national period, the neocolonial period, the age of extremes and the age of neoliberalism. Recent trends towards democratisation within a context of globalisation will also be addressed. Whilst the module will stress the common themes between countries as far apart as Mexico and Argentina, it will nonetheless highlight specific national contexts. Key events such as the Mexican-American war, the Mexican Revolution, the Chaco War, the Cuban Revolution and Pinochet's coup of 1973 will all be studied.</p>				
<b>Programme module type:</b>	Available to students on any degree programme.			
<b>Pre-requisite(s):</b>	Knowledge of the Spanish language is NOT required.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures and 1 surgery hour.			
	<b>Scheduled learning:</b> 32 hours		<b>Guided independent study:</b> 68 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Prof W M Fowler			

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SP2001 Spanish Language and Critical Approaches to Texts 1				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am			
<p>In language the four skills of reading, listening, speaking, writing are developed through prepared work, class activities and language practicals. 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 four genres of poetry, prose, drama and film 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. The reading list is typically available online as from the preceding month of May.</p>				
<b>Programme module type:</b>	SP2001 or SP2005 is compulsory for Single and Joint Honours Spanish. Optional for Spanish and Classics, all Three-Subject degrees involving Spanish, all 'with Spanish' degrees with SP2004.			
<b>Pre-requisite(s):</b>	SP1002	<b>Anti-requisite(s):</b>	SP2003, SP2005	
<b>Required for:</b>	SP2002, SP2004			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 language classes and 1 surgery hour (x 11 weeks), 1 lecture (x 9 weeks), 1 seminar (x 6 weeks), 1 oral/aural class (x 6 weeks).			
	<b>Scheduled learning:</b> 54 hours		<b>Guided independent study:</b> 246 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 15%, Practical Examinations = 0%, Coursework = 85%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr K Anipa			

SP2002 Spanish Language and Critical Approaches to Texts 2				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	11.00 am			
<p>The language part of the module consists of two hours each week and one language practical based on audiovisual material available from the MMC (Multimedia Centre), 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. The reading list is available online as from the preceding month of May.</p>				
<b>Programme module type:</b>	Compulsory for Single and Joint Honours Spanish. Optional for Spanish and Classics, all Three-Subject degrees involving Spanish, all 'with Spanish' degrees with SP2003.			
<b>Pre-requisite(s):</b>	SP2001, SP2003 or SP2005	<b>Anti-requisite(s):</b>	SP2004	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 language classes and 1 surgery hour (x 11 weeks), 1 lecture (x 9 weeks), 1 seminar and 1 oral/aural class (x 6 weeks).			
	<b>Scheduled learning:</b> 54 hours		<b>Guided independent study:</b> 246 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr K Anipa			

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<b>SP2003 Spanish Language Advanced 1</b>				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am			
The module is designed for students for whom a language-only course is appropriate and for Honours students in other subjects who wish to develop facility in Spanish in order to advance their Honours studies. The student will develop listening, speaking, reading and writing skills. Classes combine communicative activities and varied language work, including comprehension and precis.				
<b>Programme module type:</b>	Optional for Spanish and Classics, all Three-Subject degrees involving Spanish, all 'with Spanish' degrees with SP2002.			
<b>Pre-requisite(s):</b>	SP1002 or SP1004	<b>Anti-requisite(s):</b>	SP2001, SP2005	
<b>Required for:</b>	SP2002, SP2004			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 32 hours		<b>Guided independent study:</b> 68 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 30%, Practical Examinations = 0%, Coursework = 70%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr K Anipa			

<b>SP2004 Spanish Language Advanced 2</b>				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	11.00 am			
This module is appropriate for students who wish to study language only and do not intend to study Spanish at Honours level. An exception to this rule is the case of students intending to study either Spanish and two other subjects or Spanish and Social Anthropology, for whom there will be special teaching arrangements. It is also appropriate for Honours students in other subjects who wish to develop further language skills for their Honours programme. The students will develop further the listening, speaking, reading and writing skills that featured in the first semester pre-requisite. The module involves a variety of oral and written tasks. Language material will reflect cultural aspects of the Spanish-speaking world.				
<b>Programme module type:</b>	Optional for Spanish and Classics, all Three-Subject degrees involving Spanish, all 'with Spanish' degrees with SP2001 or SP2005.			
<b>Pre-requisite(s):</b>	SP2001, SP2003 or SP2005	<b>Anti-requisite(s):</b>	SP2002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 classes and 1 surgery hour.			
	<b>Scheduled learning:</b> 32 hours		<b>Guided independent study:</b> 68 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr K Anipa			

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SP2005 Spanish Language and Texts: ex-Beginners			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 1
<b>Planned timetable:</b>	11.00 am		
<p>The module is designed for ex-Beginners in Spanish who wish to move into mainstream studies of language and literature. The title of the language programme, Revise and Consolidate, explains its goal: revision and progressively deeper understanding of the language, intensive practice in oral, spoken and written skills. In Texts, 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. The reading list is typically available online as from the preceding month of May.</p>			
<b>Programme module type:</b>	SP2005 or SP2001 is compulsory for Single and Joint Honours Spanish. Optional for Spanish and Classics, all Three-Subject degrees involving Spanish, all 'with Spanish' degrees with SP2004.		
<b>Pre-requisite(s):</b>	SP1004	<b>Anti-requisite(s):</b>	SP2001, SP2003
<b>Required for:</b>	SP2002		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 language classes and 1 surgery hour (x 11 weeks), 1 lecture (x 9 weeks), 1 seminar and 1 oral/aural class (x 6 weeks).		
	<b>Scheduled learning:</b> 54 hours	<b>Guided independent study:</b> 246 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 15%, Practical Examinations = 0%, Coursework = 85%		
	<b>As used by St Andrews:</b> Coursework = 100%		
<b>Module Co-ordinator:</b>	Dr K Anipa		

## School of Philosophical, Anthropological & Film Studies

### Film Studies (FM) modules

FM1001 Key Concepts in Film Studies				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	3.00 pm Mon and Thu, 7.00 - 10.00 pm Mon (screening)			
<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 and sound. Film Studies concepts such as genre, auteur, narrative, stardom, acting and the film industry will also be considered. 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>				
<b>Programme module type:</b>	Compulsory for Film Studies			
<b>Required for:</b>	FM1002, FM2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 x 1-hour lectures, a 1-hour seminar and screening (typically 2 hours)			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr L Donaldson			
<b>Lecturer(s)/Tutor(s):</b>	Dr L Donaldson, Dr T Rice, Prof R Burgoyne, Dr L Torchin			

FM1002 Film History and Historiography				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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>				
<b>Programme module type:</b>	Compulsory for Film Studies			
<b>Pre-requisite(s):</b>	FM1001	<b>Required for:</b>	FM2001	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 x 1-hour lectures, a 1-hour seminar and screening (typically 2 hours)			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr L Donaldson			
<b>Lecturer(s)/Tutor(s):</b>	Dr L Donaldson, Dr T Rice, Dr E Girelli, Dr L Torchin			

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FM2001 Modern World Cinemas			
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b> 1
<b>Planned timetable:</b>	3.00 pm Tue and Fri, 7.00 - 10.00 pm Tue (screening)		
<p>This module continues the exploration of issues of film history and historiography which began in FM1002. It introduces students to the most important cinematic developments of the second part of the twentieth century (such as, among others, Nouvelle Vague, New German cinema, Brazilian Cinema Novo, New Hollywood, American Indies, Chinese and African cinemas, New Iranian cinema) and provides exposure to the work of some of the most important filmmakers of the world. The exploration of film history is put in the context of the forces that shape its transnational networks of production and distribution. The module aims to provide proper understanding of the complex topo-temporal dynamics of world cinemas in a global context.</p>			
<b>Programme module type:</b>	Compulsory for Film Studies		
<b>Pre-requisite(s):</b>	FM1001	<b>Required for:</b>	FM2002
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 x 1-hour lectures, a 1-hour seminar and screening (typically 2 hours)		
	<b>Scheduled learning:</b> 55 hours	<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, 1 x Essay = 50%		
<b>Module Co-ordinator:</b>	Dr L Donaldson		
<b>Lecturer(s)/Tutor(s):</b>	Dr L Donaldson, Dr E Girelli, Dr L Torchin, Dr B Jacobson, Dr T Rice, Prof R Burgoyne		

FM2002 Film Culture, Theory, Entertainment			
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	3.00 pm Tue and Fri, 7.00 - 10.00 pm Tue (screening)		
<p>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.</p>			
<b>Programme module type:</b>	Compulsory for Film Studies		
<b>Pre-requisite(s):</b>	FM2001		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 x 1-hour lectures, a 1-hour seminar and screening (typically 2 hours)		
	<b>Scheduled learning:</b> 55 hours	<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, 1 x Essay = 50%		
<b>Module Co-ordinator:</b>	Dr L Donaldson		
<b>Lecturer(s)/Tutor(s):</b>	Dr L Donaldson, Dr D Hanlon, Dr M Cowan, Prof R Burgoyne		

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**Music (MU) modules**

<b>MU1003 Understanding Music (A)</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	3.00 pm Lectures and seminar: Mon, Tue and Thu			
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.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Pre-requisite(s):</b>	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.			
<b>Anti-requisite(s):</b>	MU1013			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures, 1 seminar and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J Pettegree			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

<b>MU1004 Making Music</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	3.00 pm Tutorials: Tue, Thu and Fri.			
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.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Pre-requisite(s):</b>	Grade 8 performance certificate or an audition with the module co-ordinator			
<b>Required for:</b>	MU2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 tutorials.			
	<b>Scheduled learning:</b> 33 hours		<b>Guided independent study:</b> 167 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 67%, Coursework = 33%			
	<b>As used by St Andrews:</b> Practical Examination = 67%, Coursework = 33%			
<b>Module Co-ordinator:</b>	Mr B Williams			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2014/15 - August 2014

MU1005 Reading Opera: Texts, Libretti and Music from Purcell to Stravinsky				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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>				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures, 2 screenings and (weeks 2 - 11) 1 tutorial.			
	<b>Scheduled learning:</b> 54 hours		<b>Guided independent study:</b> 146 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J Pettegree			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

MU1013 Understanding Music (B)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	3.00 pm Lectures and seminar: Mon, Tue and Thu			
<p>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.</p>				
<b>Programme module type:</b>	Available for any degree programme			
<b>Anti-requisite(s):</b>	MU1003, ABRSM Grade 5 Theory or Grade 6 in practical performance on any instrument or voice.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures, 1 seminar and 1 tutorial.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J Pettegree			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			



## Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2014/15 - August 2014

MU2001 Advanced Performance				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	Whole Year
<b>Planned timetable:</b>	Tutorials 10.00 am every second Tue (even-numbered weeks). 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.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Pre-requisite(s):</b>	A mark of 16 or higher in MU1004 Making Music. In exceptional circumstances, entry could be by audition.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Fortnightly individual 30 minute instrumental lessons (5 each semester); fortnightly 1 hour tutorials (5 each semester) and 12 hours of masterclasses spread over the academic year.			
	<b>Scheduled learning:</b> 27 hours		<b>Guided independent study:</b> 173 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 80%, Coursework = 20%			
	<b>As used by St Andrews:</b> Practical Examination (30-minute performance, viva voce and sight-reading) = 80%, Coursework = 20%			
<b>Module Co-ordinator:</b>	Mr T A Wilkinson			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

MU2002 Scottish Music				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1 & 2 (taught twice)
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 43 hours		<b>Guided independent study:</b> 157 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J A Kemp			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2014/15 - August 2014

MU2004 Electronic Music				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 lecture, 1 seminar and 1 practical class per week. 1 fortnightly tutorial.			
	<b>Scheduled learning:</b> 38 hours		<b>Guided independent study:</b> 162 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr J A Kemp			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Philosophy (PY) modules

PY1005 Mind and Reality				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	11.00 am Mon, Tue and Thu			
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 as I was 10 years ago? What, fundamentally, are material things and their properties? This module will enable students to understand and begin to answer such fundamental philosophical questions, and to gain valuable skills in reasoning and abstract thought.				
<b>Programme module type:</b>	Optional for Philosophy, Logic and Philosophy of Science			
<b>Anti-requisite(s):</b>	PY1004, PY2801, PY2902			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 43 hours		<b>Guided independent study:</b> 157 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr S Prosser			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2014/15 - August 2014

PY1006 Reasoning and Knowledge				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	5.00 pm Mon, Tue and Thu			
<p>What should we believe? How should we think? This module provides an introduction to informal and formal 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 propositional and predicate logic. The module is an essential foundation for further study in philosophy, and teaches skills that are central to many other academic disciplines.</p>				
<b>Programme module type:</b>	Compulsory for Philosophy, Logic and Philosophy of Science			
<b>Anti-requisite(s):</b>	PY1003, PY1802	<b>Required for:</b>	PY2001, Honours entry	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 43 hours		<b>Guided independent study:</b> 157 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr E Glick			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

PY1105 Ethical Controversies				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	5.00 pm Mon, Tue and Thu (occasional Fris may also be scheduled)			
<p>This module provides an accessible and comprehensive introduction to the philosophical significance of the most pressing moral problems of today, e.g. life and death problems, 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, contract-based ethics and moral scepticism. Students will be given the opportunity to study the three 'great books' that inspire and divide moral philosophers to the present day: Aristotle's Nicomachean Ethics, Immanuel Kant's Groundwork for the Metaphysics of Morals and J.S. Mill's Utilitarianism.</p>				
<b>Programme module type:</b>	Optional for Philosophy, Logic and Philosophy of Science			
<b>Anti-requisite(s):</b>	PY1101, PY1103, PY1801, PY1901			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 43 hours		<b>Guided independent study:</b> 157 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr L Jones			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2014/15 - August 2014

PY1106 Society, Authority and Freedom			
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b> 2
<b>Planned timetable:</b>	11.00 am Mon, Tue and Thu (occasional Fri may also be scheduled)		
<p>This module provides a critical and historical overview of the concepts central to the philosophical study of politics, as well as an introduction to the various theories that inform and influence political events. We will study the works of major political philosophers from the 17th to 20th centuries (including Thomas Hobbes, John Locke, Jean-Jacques Rousseau, John Stuart Mill and John Rawls), and examine concepts such as authority, democracy, liberty and equality and the role of religion in society. The module serves as a foundation for further study in Philosophy, but it is also a valuable component of a degree in the Social Sciences, e.g. International Relations.</p>			
<b>Programme module type:</b>	Optional for Philosophy, Logic and Philosophy of Science		
<b>Anti-requisite(s):</b>	PY1104, PY2102		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.		
	<b>Scheduled learning:</b> 43 hours	<b>Guided independent study:</b> 157 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%		
<b>Module Co-ordinator:</b>	Dr J Harris		
<b>Lecturer(s)/Tutor(s):</b>	Team taught		

PY2001 Formal and Philosophical Logic			
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b> 1
<b>Planned timetable:</b>	2.00 pm Tue and Fri		
<p>This module aims to develop 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.</p>			
<b>Programme module type:</b>	Compulsory for Logic and Philosophy of Science. Optional for Philosophy, MTheol.		
<b>Pre-requisite(s):</b>	PY1003 or PY1006	<b>Required for:</b>	PY4612, PY4634
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures and 1 examples class.		
	<b>Scheduled learning:</b> 33 hours	<b>Guided independent study:</b> 67 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%		
	<b>As used by St Andrews:</b> 1.5-hour Written Examination = 50%, Coursework = 50%		
<b>Module Co-ordinator:</b>	Dr A Cotnoir		
<b>Lecturer(s)/Tutor(s):</b>	Team taught		

**Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2014/15 - August 2014**

<b>PY2002 Metaphysics and Science</b>				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	2.00 pm Mon and Thu			
This module is an introduction to the philosophy of the sciences, and is designed to be accessible to students from both arts and science backgrounds. We will consider philosophical issues raised by the natural sciences, including such issues as the nature of space and time, determinism and indeterminism, and the importance of explanation and induction in the methods of science.				
<b>Programme module type:</b>	Compulsory for Logic and Philosophy of Science. Optional for Philosophy, MTheol.			
<b>Pre-requisite(s):</b>	any 20 credits of 1000-level PY modules			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures per week plus 8 tutorials over the semester.			
	<b>Scheduled learning:</b> 30 hours		<b>Guided independent study:</b> 70 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 1.5-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr D Ball			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

<b>PY2003 Ancient Philosophy</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	3.00 pm Mon, Tue, Thu and some Fri			
In the course of this module, we shall study the ancient Greek roots of Western philosophy. Most time will be spent on the foundational theories of Plato and Aristotle, but we shall also cover a selection from the following figures and movements: the 'Pre-Socratic' philosophers; the 'sophists'; Socrates; Epicurus; the Stoics. Topics discussed will include a wide range of philosophical issues.				
<b>Programme module type:</b>	Optional for Philosophy, Logic and Philosophy of Science, MTheol.			
<b>Anti-requisite(s):</b>	PY2802, PY2901	<b>Required for:</b>	PY4611	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 or 4 lectures and a tutorial.			
	<b>Scheduled learning:</b> 45 hours		<b>Guided independent study:</b> 155 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr B Sattler			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2014/15 - August 2014

PY2004 Modern Philosophy from Descartes to Kant				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	2.00 pm Mon, Tue, Thu and some Fri			
This period during the history of philosophy saw great changes and developments; key ideas and writings from this time form the backdrop for philosophical debate even to the present day. This module will introduce students to the central philosophers, texts and issues of the period, providing a firm historical background for further study in philosophy.				
<b>Programme module type:</b>	Optional for Philosophy, Logic and Philosophy of Science, MTheol.			
<b>Pre-requisite(s):</b>	any 20 credits of 1000-level or 2000-level PY modules			
<b>Anti-requisite(s):</b>	PY2802, PY2901	<b>Required for:</b>	PY4607, PY4621	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 or 4 lectures and a tutorial.			
	<b>Scheduled learning:</b> 45 hours		<b>Guided independent study:</b> 155 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J Harris			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

PY2101 Aesthetics				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	3.00 pm Mon and Thu			
This module provides an introduction to several of the main issues in aesthetics. It does so by critically examining the views of some of the major philosophers and literary figures who have written on aesthetics, and by discussing some of the main theories in aesthetics. Writers whose views may be discussed include Plato, Aristotle, Hume, Kant and Tolstoy. Theories covered may include intentionalism, formalism, constructivism, as well as feminist and postmodern approaches.				
<b>Programme module type:</b>	Optional for Philosophy, Logic and Philosophy of Science, MTheol.			
<b>Pre-requisite(s):</b>	any 20 credits of 1000-level or 2000-level PY modules	<b>Required for:</b>	PY4645	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures per week plus 8 tutorials over the semester.			
	<b>Scheduled learning:</b> 30 hours		<b>Guided independent study:</b> 70 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 1.5-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr L Jones			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2014/15 - August 2014

PY2103 Rationality and Action				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	3.00 pm Tue and Fri			
<p>We appeal to reasons both in explaining why people behave as they do and in explaining why they ought to behave in some way. But what sort of thing is a reason? How does it relate to our desires and preferences? What does it mean to say that a particular action is rational? When should an action be considered free or voluntary? Why do we fail to act rationally, and act contrary to what we judge to be right? And what are the conditions that undermine responsibility for the way we act? This module provides a critical introduction to these and other questions about the nature of practical rationality.</p>				
<b>Programme module type:</b>	Optional for Philosophy, Logic and Philosophy of Science, MTheol.			
<b>Pre-requisite(s):</b>	any 20 credits of 1000-level or 2000-level PY modules			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures per week plus 8 tutorials over the semester.			
	<b>Scheduled learning:</b> 30 hours		<b>Guided independent study:</b> 70 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 1.5-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J Snedegar			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Social Anthropology (SA) modules

SA1001 Anthropology in the World				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	4.00 pm			
<p>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'.</p>				
<b>Programme module type:</b>	Compulsory for Social Anthropology			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures, 1 film/workshop and 1 tutorial.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr M Frankland			
<b>Lecturer(s)/Tutor(s):</b>	Dr M Frankland			

Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2014/15 - August 2014

SA1002 Ways of Thinking				
SCOTCAT Credits:	20	SCQF Level 7	Semester:	2
Planned timetable:	4.00 pm			
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.				
Programme module type:	Compulsory for Social Anthropology			
Required for:	SA2001			
Learning and teaching methods and 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%			
Module Co-ordinator:	Prof P Gow			
Lecturer(s)/Tutor(s):	Prof P Gow			

SA2001 The Foundations of Human Social Life				
SCOTCAT Credits:	20	SCQF Level 8	Semester:	1
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.				
Programme module type:	Compulsory for Social Anthropology			
Pre-requisite(s):	SA1002	Required for:	SA2002	
Learning and teaching methods and 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: 2-hour Written Examination = 60%, Coursework = 40%			
Module Co-ordinator:	Dr H Wardle			
Lecturer(s)/Tutor(s):	Dr H Wardle			



**Philosophical, Anthropological & Film Studies - 1000 & 2000 Level - 2014/15 - August 2014**

<b>SA2002 Ethnographic Encounters</b>			
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	11.00 am		
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.			
<b>Programme module type:</b>	Compulsory for Social Anthropology		
<b>Pre-requisite(s):</b>	SA2001		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures, 1 film/workshop and 1 tutorial.		
	<b>Scheduled learning:</b> 54 hours	<b>Guided independent study:</b> 146 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	<b>As used by St Andrews:</b> Coursework = 100%		
<b>Module Co-ordinator:</b>	Dr M Fumanti		
<b>Lecturer(s)/Tutor(s):</b>	Dr M Fumanti		



## School of Physics &amp; Astronomy

## Astronomy (AS) Modules

AS1001 Astronomy and Astrophysics 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	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 simple but powerful physical methods 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.				
<b>Programme module type:</b>	Compulsory for Astrophysics			
<b>Pre-requisite(s):</b>	SQA Higher or A-Level Physics and Mathematics, at grade B or better			
<b>Anti-requisite(s):</b>	AS1002, AS1101	<b>Required for:</b>	AS2001, AS2101	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 or 5 lectures, 1 tutorial and 1 x 2.5-hour laboratory.			
	<b>Scheduled learning:</b> 90 hours		<b>Guided independent study:</b> 110 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Class Tests = 15%, Laboratory work = 25% Re-Assessment: 2-hour Written Examination = 75%, Existing Laboratory work = 25%			
<b>Module Co-ordinator:</b>	Dr A Scholz			
<b>Lecturer(s)/Tutor(s):</b>	Dr A Scholz, Prof M Jardine, Dr C Cyganowski, Dr R Tojeiro			

AS1002 The Physical Universe				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Anti-requisite(s):</b>	AS1001, AS1101, PH1011, PH1012			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial/seminar.			
	<b>Scheduled learning:</b> 43 hours		<b>Guided independent study:</b> 157 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework (2 x Class Tests) = 50% Re-Assessment: 2-hour Written Examination = 100%			
<b>Module Co-ordinator:</b>	TBC			
<b>Lecturer(s)/Tutor(s):</b>	Dr P A S Cruickshank, Dr H Zhao, Dr J Greaves			

## Physics & Astronomy - 1000 & 2000 Level - 2014/15 - August 2014

AS1101 Astrophysics (Direct Entry)			
<b>SCOTCAT Credits:</b>	5	SCQF Level 7	<b>Semester:</b> 1
<b>Availability restrictions:</b>	Available only to Direct Second level Entry students in Physics or Astrophysics		
<b>Planned timetable:</b>	11.00 am (4 hours of lectures/tutorials every 2 weeks (weeks 1 - 8))		
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.			
<b>Programme module type:</b>	Compulsory for Direct Entry to Second Year students in Astrophysics BSc and MPhys		
<b>Pre-requisite(s):</b>	Direct entry to level two at the University of St Andrews with a degree intention of Astrophysics, Physics, or a joint degree with one of these two topics.		
<b>Co-requisite(s):</b>	PH2011	<b>Anti-requisite(s):</b>	AS1001, AS1002
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1.5-hour lecture (x 8 weeks), 3-hour practical work (x 2 weeks) 1-hour tutorial (x 4 weeks)		
	<b>Scheduled learning:</b> 22 hours	<b>Guided independent study:</b> 28 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	<b>As used by St Andrews:</b> Coursework (including class test) = 100%		
<b>Module Co-ordinator:</b>	TBC		
<b>Lecturer(s)/Tutor(s):</b>	Dr A-M Weijmans		

AS2001 Astronomy and Astrophysics 2			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	11.00 am lectures, Tue or Thu afternoons 2.00 pm - 3.00 pm tutorial and 3.00 pm -5.30 pm lab		
This module comprises four lecture courses which extend knowledge gained in the first level module AS1001 or AS1101, 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) the chemical evolution of the Universe - abundances from the Big Bang to the present; (iv) galactic astronomy - the distribution and motion of stars, gas, dust, and dark matter in our Milky Way and other galaxies.			
<b>Programme module type:</b>	Compulsory for Astrophysics (First Year Entry)		
<b>Pre-requisite(s):</b>	AS1001 or AS1101, PH1011, PH1012 and MT1002.	<b>Anti-requisite(s):</b>	AS2101
<b>Required for:</b>	Either AS2001 or AS2101 is required for AS3013, AS4010, AS4011, AS4021, AS4022, AS4023, AS4025, AS5003.		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 tutorial and 1 x 2.5-hour laboratory session.		
	<b>Scheduled learning:</b> 78 hours	<b>Guided independent study:</b> 222 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, 2 x Class Tests = 15%, Laboratory work = 25% Re-Assessment: 3-hour Written Examination = 75%, Existing Laboratory work = 25%		
<b>Module Co-ordinator:</b>	TBC		
<b>Lecturer(s)/Tutor(s):</b>	Dr H Zhao, Dr J Greaves, Dr V Wild, Dr K Wood		

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<b>AS2101 Astrophysics 2</b>			
<b>SCOTCAT Credits:</b>	15	SCQF Level 8	<b>Semester:</b> 2
<b>Availability restrictions:</b>	Normally available only to those who took "direct entry" to second year		
<b>Planned timetable:</b>	11.00 am lectures, plus Tue or Thu 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 the chemical evolution of the Universe including the synthesis of the elements. The module is based on the physical principles and mathematical techniques acquired earlier, and applied to the astrophysical concepts covered in AS1001.</p>			
<b>Programme module type:</b>	Compulsory for Astrophysics (Direct Second Year Entry)		
<b>Pre-requisite(s):</b>	AS1001 or AS1101, MT1002, PH2011	<b>Anti-requisite(s):</b>	AS2001
<b>Required for:</b>	Either AS2001 or AS2101 is required for AS3013, AS4010, AS4011, AS4021, AS4022, AS4023, AS4025, AS5003.		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3/4 lectures and 1 tutorial.		
	<b>Scheduled learning:</b> 45 hours	<b>Guided independent study:</b> 105 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 80%, Practical Examinations = 0%, Coursework = 20%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 80%, 2 x Class Tests = 20%, Re-Assessment: 2-hour Written Examination = 100%		
<b>Module Co-ordinator:</b>	TBC		
<b>Lecturer(s)/Tutor(s):</b>	Dr H Zhao, Dr V Wild, Dr K Wood		

Physics (PH) Modules

PH1011 Physics 1A				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	12.00 noon lectures, one afternoon from five 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.				
<b>Programme module type:</b>	Compulsory for Astrophysics, Materials Chemistry, Single and Joint Honours Physics, Single and Joint Honours Theoretical Physics (First Year Entry)			
<b>Pre-requisite(s):</b>	SQA Higher or A-Level Physics and Mathematics, both at grade B or better, or equivalent.			
<b>Anti-requisite(s):</b>	AS1002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Typically 4 lectures, 1 problem-solving workshop, 1 tutorial and 1 x 2.5-hour laboratory.			
	<b>Scheduled learning:</b> 88 hours		<b>Guided independent study:</b> 112 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Class Test = 15%, Laboratory Work = 25% Re-Assessment: 2-hour Written Resit Examination = 60%, combined with existing Laboratory Work = 25%, existing Class Test = 15%			
<b>Module Co-ordinator:</b>	TBC			
<b>Lecturer(s)/Tutor(s):</b>	Dr L J Hadfield, Dr B D Sinclair, TBC			

PH1012 Physics 1B				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon lectures; One afternoon from up to five 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.				
<b>Programme module type:</b>	Compulsory for Astrophysics, Materials Chemistry, Single and Joint Honours Physics, Single and Joint Honours Theoretical Physics (First Year Entry)			
<b>Pre-requisite(s):</b>	PH1011	<b>Anti-requisite(s):</b>	AS1002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 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.			
	<b>Scheduled learning:</b> 78 hours		<b>Guided independent study:</b> 122 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Class Test = 10%, Laboratory work = 25%, Group Discovery Project = 15% Re-Assessment: 2-hour Written Resit Examination = 50%, combined with existing Laboratory work = 25%, and existing Group Discovery Project = 15%, existing Class Test = 10%			
<b>Module Co-ordinator:</b>	TBC			
<b>Lecturer(s)/Tutor(s):</b>	Dr L J Hadfield, TBC			

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<b>PH1501 Mathematics for Physicists 1A</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to those on the Physics and Astronomy (Gateway) Programme and the Physics and Astronomy International Gateway Programme.			
<b>Planned timetable:</b>	To be arranged.			
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. (AMEND SUBJECT TO APPROVAL)				
<b>Programme module type:</b>	Physics and Astronomy (Gateway) Programme Physics and Astronomy International Gateway Programme			
<b>Pre-requisite(s):</b>	Entry to Physics and Astronomy (Gateway) or International Gateway Programmes.			
<b>Co-requisite(s):</b>	PH1011, PH1502	<b>Anti-requisite(s):</b>	MT1001	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 5 lectures, 1 tutorial and 1 workshop.			
	<b>Scheduled learning:</b> 77 hours		<b>Guided independent study:</b> 123 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50% Re-Assessment: 2-hour Written Examination = 100%			
<b>Module Co-ordinator:</b>	Dr L Hadfield			
<b>Lecturer(s)/Tutor(s):</b>	Dr L Hadfield			

<b>PH1502 Physics Skills 1A</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to those on the Physics and Astronomy (Gateway) Programme and the Physics and Astronomy International Gateway Programme			
<b>Planned timetable:</b>	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)".				
<b>Programme module type:</b>	Physics and Astronomy (Gateway) Programme Physics and Astronomy International Gateway Programme			
<b>Pre-requisite(s):</b>	Entry to Physics and Astronomy (Gateway) or International Gateway Programme			
<b>Co-requisite(s):</b>	PH1011			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures, 3 x 1.25-hour workshops, 1 x 3-hour lab, 1 x 2-hour supported study session.			
	<b>Scheduled learning:</b> 118 hours		<b>Guided independent study:</b> 82 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100% Re-Assessment: 60% new assignments, 40% marks for the assignments that make up the first assessment specification of the module.			
<b>Module Co-ordinator:</b>	TBC			
<b>Lecturer(s)/Tutor(s):</b>	TBC			

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PH1503 Physics Skills 1B			
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b> 2
<b>Availability restrictions:</b>	Available only to those on the Physics and Astronomy (Gateway) Programme and the Physics and Astronomy International Gateway Programme		
<b>Planned timetable:</b>	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)".			
<b>Programme module type:</b>	Physics and Astronomy (Gateway) Programme Physics and Astronomy International Gateway Programme		
<b>Pre-requisite(s):</b>	Entry to Physics and Astronomy (Gateway) or International Gateway Programme		
<b>Co-requisite(s):</b>	PH1012		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures, 3 x 1.25-hour workshops, 1 x 3-hour lab, 1 x 2-hour supported study session		
	<b>Scheduled learning:</b> 118 hours	<b>Guided independent study:</b> 82 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	<b>As used by St Andrews:</b> Coursework = 100% Re-Assessment: 60% new assignments, 40% marks for the assignments that make up the first assessment specification of the module.		
<b>Module Co-ordinator:</b>	TBC		
<b>Lecturer(s)/Tutor(s):</b>	TBC		



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<b>PH2011 Physics 2A</b>			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 1
<b>Planned timetable:</b>	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>			
<b>Programme module type:</b>	Compulsory for Astrophysics, Single and Joint Honours Physics, Single and Joint Honours Theoretical Physics		
<b>Pre-requisite(s):</b>	PH1011, PH1012 and MT1002; alternatively passes in Advanced Higher Physics and Mathematics or A-Level Physics and Mathematics, both normally at grade A or equivalent.		
<b>Required for:</b>	PH3073, PH4038 and all other honours modules in physics and astronomy		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 or 5 lectures, 1 workshop, 1 tutorial and 1 x 2.5-hour laboratory.		
	<b>Scheduled learning:</b> 99 hours	<b>Guided independent study:</b> 201 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, Class Test = 10%, Coursework (Laboratory work) = 30% Re-Assessment: 3-hour Written Resit Examination = 60%, combined with existing Laboratory Work and Workshops = 30%, existing Class Test = 10%		
<b>Module Co-ordinator:</b>	TBC		
<b>Lecturer(s)/Tutor(s):</b>	TBC		

Physics & Astronomy - 1000 & 2000 Level - 2014/15 - August 2014

PH2012 Physics 2B			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 2
<b>Planned timetable:</b>	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 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 Schrödinger'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.</p>			
<b>Programme module type:</b>	Compulsory for Astrophysics, Single and Joint Honours Physics, Single and Joint Honours Theoretical Physics		
<b>Pre-requisite(s):</b>	PH2011*. Also PH1011, PH1012 and MT1002; alternatively passes in Advanced Higher Physics and Mathematics or A-Level Physics and Mathematics, both normally at grade A. *the School may be willing to waive in special cases.		
<b>Required for:</b>	AS4010, AS4011, PH3007, PH3081, PH3082, PH4022, and all other AS and PH modules at levels 3, 4, and 5.		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 or 5 lectures, 1 workshop, 1 tutorial and 1 x 2.5-hour laboratory.		
	<b>Scheduled learning:</b> 98 hours	<b>Guided independent study:</b> 202 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 60%, Class Test = 10%, Coursework (Laboratory work) = 30% Re-Assessment: 3-hour Written Resit Examination = 60%, combined with existing Laboratory Work and Workshops = 30%, existing Class Test = 10%		
<b>Module Co-ordinator:</b>	TBC		
<b>Lecturer(s)/Tutor(s):</b>	TBC		

## School of Psychology &amp; Neuroscience

## Psychology (PS) modules

PS1001 Psychology 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	12.00 noon			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for Neuroscience and all degrees involving Psychology			
<b>Required for:</b>	PS2001, PS2002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures and 1 x 2-hour laboratory.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 75%, Coursework = 25%			
<b>Module Co-ordinator:</b>	P J Miles			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

PS1002 Psychology 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for Neuroscience and all degrees involving Psychology			
<b>Required for:</b>	PS2001, PS2002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures and 1 x 2-hour laboratory.			
	<b>Scheduled learning:</b> 66 hours		<b>Guided independent study:</b> 134 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 75%, Coursework = 25%			
<b>Module Co-ordinator:</b>	P J Miles			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Psychology & Neuroscience - 1000 & 2000 Level - 2014/15 – August 2014

PS2001 Psychology 1				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for Neuroscience and all degrees involving Psychology			
<b>Pre-requisite(s):</b>	PS1001, PS1002	<b>Required for:</b>	PS2002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 x 3-hour laboratory per week and 3 x 1-hour course-related tutorials per semester.			
	<b>Scheduled learning:</b> 80 hours		<b>Guided independent study:</b> 220 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 75%, Coursework = 25%			
<b>Module Co-ordinator:</b>	P L Gardner			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

PS2002 Psychology 2				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Planned timetable:</b>	10.00 am			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for Neuroscience and all degrees involving Psychology			
<b>Pre-requisite(s):</b>	PS1001, PS1002, PS2001			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures, 1 x 3-hour laboratory per week and 3 x 1-hour course-related tutorials per semester.			
	<b>Scheduled learning:</b> 80 hours		<b>Guided independent study:</b> 220 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 75%, Coursework = 25%			
<b>Module Co-ordinator:</b>	Mr P L Gardner			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Interdisciplinary (ID) Modules

ID1003 Great Ideas 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	1.00 pm Mon, Tue, and Thu			
The aim of the 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 focuses on four themes: logic, reason, and evidence; religion and culture; economics and society; and technology. The aim throughout is to develop students' historical and cultural knowledge, along with their analytical and critical skills. Use is made of original source material where possible, and lectures are supplemented by facilitated discussion sessions.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 to 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 40 hours		<b>Guided independent study:</b> 160 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr J Mitchell			

ID1004 Great Ideas 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	1.00 pm Mon, Tue, and Thu			
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 human rights and justice; 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				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 42 hours		<b>Guided independent study:</b> 158 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr E Hart			

## Interdisciplinary 1000 & 2000 Level - 2014/15 - August 2014

ID1005 IT in the Organisation				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	12.00 noon Mon - Fri			
<p>This module aims to answer the question "What is it essential for every professional to know about IT?". It takes an interdisciplinary approach, delivered primarily by the School of Computer Science, with input from the School of Management. The module examines the purpose of IT in the modern enterprise, the main services that must be provided, strategies for providing these services, the potential problems that may arise, and approaches for addressing them. Particular topics may include: data storage, management, processing and presentation; process modelling; business intelligence and data mining; network and power management; security issues; reliability, availability and efficiency of IT infrastructure; new IT provisioning models and their impact on enterprise agility; dealing with IT services spanning multiple jurisdictions; relevant legislation such as data protection and freedom of information; managing outsourcing and offshoring; use of social networks within organisations; IT project management; professional, legal and ethical issues related to IT.</p>				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 lectures and 1 tutorial.			
	<b>Scheduled learning:</b> 55 hours		<b>Guided independent study:</b> 145 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	first-is-coord-cs@st-andrews.ac.uk			

ID2003 Science Methods				
<b>SCOTCAT Credits:</b>	10	SCQF Level 8	<b>Semester:</b>	1
<b>Planned timetable:</b>	1.00 pm Mon, Tue, and 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>				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2 lectures and 1 practical class.			
	<b>Scheduled learning:</b> 33 hours		<b>Guided independent study:</b> 67 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 1.5-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr C G M Paxton, Mathematics & Statistics			
<b>Lecturer(s)/Tutor(s):</b>	Dr C G M Paxton, Dr E Rexstad, TBC			

## English Language Teaching (ET) modules

ET1001 English as a Foreign Language A			
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b> 1
<b>Availability restrictions:</b>	Please note non-native speakers on degree programmes in St Andrews cannot take 1000 and 2000 level ET modules concurrently. However non-native speaker exchange students can take 1000 and 2000 level ET modules concurrently.		
<b>Planned timetable:</b>	3.00 pm		
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 21st Century Britain.			
<b>Programme module type:</b>	Available to any degree programme.		
<b>Pre-requisite(s):</b>	Non-native speaker of English		
<b>Anti-requisite(s):</b>	Native speaker of English, a pass at Higher, A-Level or equivalent in English, ET1009.		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 compulsory classes.		
	<b>Scheduled learning:</b> 44 hours	<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%		
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Coursework = 60%		
<b>Module Co-ordinator:</b>	Mr J Hughes		

## English Language Teaching 1000 & 2000 Level - 2014/15 - August 2014

ET1002 English as a Foreign Language B				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Please note non-native speakers on degree programmes in St Andrews cannot take 1000 and 2000 level ET modules concurrently. However non-native speaker exchange students can take 1000 and 2000 level ET modules concurrently.			
<b>Planned timetable:</b>	3.00 pm			
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 consider 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				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Pre-requisite(s):</b>	Non-native speaker of English			
<b>Anti-requisite(s):</b>	Native speaker of English, a pass at Higher, A-Level or equivalent in English			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 compulsory classes.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Coursework = 60%			
<b>Module Co-ordinator:</b>	Mr J Hughes			

ET1009 English as a Foreign Language for Scientists 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Only if sufficient student demand			
<b>Planned timetable:</b>	5.00 pm			
This module is aimed at improving the ability of non-native speaking science students to deal more effectively with the language demands of a science subject through developing communicative skills within both academic and non-academic settings. The main focus will be on speaking, listening and building vocabulary, whilst written work will concentrate on common tasks set within Science modules.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Pre-requisite(s):</b>	Non-native speaker of English, studying at least one Science module			
<b>Anti-requisite(s):</b>	ET1001, a pass at Higher, A Level or equivalent in English			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 compulsory classes.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 30%, Practical Examinations = 20%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 30%, Oral Interview = 20%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Ms R Doig			



**English Language Teaching 1000 & 2000 Level - 2014/15 - August 2014**

<b>ET2001 Academic English 1</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Please note non-native speakers on degree programmes in St Andrews cannot take 1000 and 2000 level ET modules concurrently. However non-native speaker exchange students can take 1000 and 2000 level ET modules concurrently.			
<b>Planned timetable:</b>	4.00 pm			
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 on oral presentation skills. There will be an emphasis on improved academic study skills, including reading academic texts and note-taking in lectures.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Pre-requisite(s):</b>	Non-native speaker of English			
<b>Anti-requisite(s):</b>	Native Speaker of English, a pass at Higher, A-Level or equivalent in English			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 compulsory classes.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 20%, Practical Examinations = 20%, Coursework = 60%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 20%, 1 - 1.5-hour Listening Examination = 20%, Coursework = 60%			
<b>Module Co-ordinator:</b>	Ms K M George-Briant			

<b>ET2002 Academic English 2</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Please note non-native speakers on degree programmes in St Andrews cannot take 1000 and 2000 level ET modules concurrently. However non-native speaker exchange students can take 1000 and 2000 level ET modules concurrently.			
<b>Planned timetable:</b>	4.00 pm			
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.				
<b>Programme module type:</b>	Available to any degree programme.			
<b>Pre-requisite(s):</b>	Non-native speaker of English			
<b>Anti-requisite(s):</b>	Native Speaker of English, a pass at Higher, A-Level or equivalent in English			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 4 compulsory classes.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 20%, Practical Examinations = 20%, Coursework = 60%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 20%, 1 - 1.5-hour Listening Examination = 20%, Coursework = 60%			
<b>Module Co-ordinator:</b>	Ms K M George-Briant			

Linguistics (LI) modules

LI1001 Foundations of Language 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Planned timetable:</b>	2.00 pm			
This module will provide an introduction a variety of areas of Linguistics. In particular the input 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 and pronunciation. There will be an element of active participation in the lectures as well as in the seminars.				
<b>Programme module type:</b>	Available to any degree programme. LI1001 is designed to be taken by ANY student, i.e. it is NOT specifically for non-native speakers.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures plus 1 seminar.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Ms L Thirkell			

LI1002 Foundations of Language 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Planned timetable:</b>	2.00 pm			
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.				
<b>Programme module type:</b>	Available to any degree programme. LI1002 is designed to be taken by ANY student, i.e. it is NOT specifically for non-native speakers.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 3 lectures plus 1 seminar.			
	<b>Scheduled learning:</b> 44 hours		<b>Guided independent study:</b> 156 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Ms L Thirkell			

## Evening Degree Programme

AH1901 Western Art from Renaissance to Baroque				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Tue starting 16 September 2014, 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.				
<b>Programme module type:</b>	Evening Degree programme			
<b>Anti-requisite(s):</b>	AH1001 or AH1003			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 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 field trip.			
	<b>Scheduled learning:</b> 64 hours		<b>Guided independent study:</b> 136 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 25%, Practical Examinations = 0%, Coursework = 75%			
	<b>As used by St Andrews:</b> Coursework (1 x 1,000 word Visual Analysis Paper = 25%, 2 visual tests = 25%, 1 x 2,000-word research essay = 50%) = 100%			
<b>Module Co-ordinator:</b>	Dr W Rough			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

AH2901 Art in the Modern Period				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Tue starting 27 January 2015, 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.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	AH1901			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 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.			
	<b>Scheduled learning:</b> 64 hours		<b>Guided independent study:</b> 136 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 25%, Practical Examinations = 0%, Coursework = 75%			
	<b>As used by St Andrews:</b> Coursework (1 x 1,000 word Visual Analysis Paper = 25%, 2 visual tests = 25% 1 x 2,000 word essay = 50%) = 100%			
<b>Module Co-ordinator:</b>	Dr W Rough			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Evening Degree Programme - 2014/15 - August 2014

AH3901 Walter Richard Sickert and European Art c. 1880 - 1940				
<b>SCOTCAT Credits:</b>	30	SCQF Level 9	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Mon starting 26 January 2015, 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.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	AH1901, AH2901			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 3-hour session: lecture and tutorial (x 14 weeks), optional office hour (x 14 weeks), 9-hour fieldtrip.			
	<b>Scheduled learning:</b> 65 hours		<b>Guided independent study:</b> 235 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 25%, Practical Examinations = 0%, Coursework = 75%			
	<b>As used by St Andrews:</b> Coursework (2 Visual Tests = 25%, 1 x 3,500-word essay = 50%, 1,500-word Visual Analysis Paper = 25%) = 100%			
<b>Module Co-ordinator:</b>	Dr W Rough			
<b>Lecturer(s)/Tutor(s):</b>	Dr W Rough			

AH3902 The Country, City and Society in Nineteenth-Century French Art				
<b>SCOTCAT Credits:</b>	30	SCQF Level 9	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Mon starting 15 September 2014, 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.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	AH1901, AH2901		<b>Anti-requisite(s):</b>	AH3111
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 3-hour session: lecture and tutorial (x 14 weeks), optional office hour (x 14 weeks), 9-hour fieldtrip.			
	<b>Scheduled learning:</b> 65 hours		<b>Guided independent study:</b> 235 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> Written Assessment = 100%			
<b>Module Co-ordinator:</b>	Dr W Rough			
<b>Lecturer(s)/Tutor(s):</b>	Dr W Rough			

AS1901 The Physical Universe				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Wed starting 28 January 2015, 6.30 - 9.30 pm (next available 2016-2017)			
This module presents a descriptive, largely 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.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	Admission to the Evening Degree Programme	<b>Anti-requisite(s):</b>	AS1001, AS1002, AS1101, PH1011, PH1012	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.75-hour session: lectures and/or labs or seminars.			
	<b>Scheduled learning:</b> 38 hours		<b>Guided independent study:</b> 162 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> Coursework (essays) = 50%, Class tests = 50%			
<b>Module Co-ordinator:</b>	TBC			

BL1901 Human Biology				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Tue starting 16 September 2014, 6.30 - 9.30 pm			
Lectures and seminars provide an introduction to the varied fields of study that relate to human biology. The module is structured such that we begin by looking at individual molecules and cells, and then examine how they build together to form integrated systems within our bodies, such as the nervous system and immune system. A wide variety of material is covered, ranging from anatomy, physiology and neuroscience through to digestion, cloning and genetics.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	Entry to the Part-time Evening Degree programme	<b>Anti-requisite(s):</b>	BL1004	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5 hour session: lectures and/or seminars.			
	<b>Scheduled learning:</b> 27 hours		<b>Guided independent study:</b> 173 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 70%, Practical Examinations = 0%, Coursework = 30%			
	<b>As used by St Andrews:</b> Class Tests = 70%, Coursework = 30%			
<b>Module Co-ordinator:</b>	Dr V Dietrich-Bischoff			
<b>Lecturer(s)/Tutor(s):</b>	various staff in the School of Biology			

## Evening Degree Programme - 2014/15 - August 2014

BL2901 Environmental Biology				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Tue starting 27 January 2015, 9.30 - 9.30 pm (next available 2016 - 2017)			
	Lectures and seminars provide an introduction to environmental and evolutionary topics. Topics include: basic evolutionary theory, and an introduction to the evolution of diversity; animal and plant design, and current patterns of plant and animal diversity; global environments and the biotic challenges they represent: how plants and animals adapt to their environments; current and future environmental problems.			
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	BL1901			
<b>Anti-requisite(s):</b>	BL1002, BL2001, BL2003, BL2004, BL2005			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session a week: lectures and/or seminars.			
	<b>Scheduled learning:</b> 27 hours		<b>Guided independent study:</b> 173 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> Coursework = 50%, Examination = 50%			
<b>Module Co-ordinator:</b>	Dr I M Matthews			
<b>Lecturer(s)/Tutor(s):</b>	Dr I M Matthews			

EN1901 Reading English				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Thu starting 18 September 2014, 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.			
<b>Programme module type:</b>	Evening Degree Programme			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session: lecture and seminar, and 1 optional consultative hour.			
	<b>Scheduled learning:</b> 45 hours		<b>Guided independent study:</b> 155 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr K Muth			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

EN2901 Comedy in English Literature				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Thu starting 29 January 2015, 6.30 - 9.30 pm			
<p>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.</p>				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	EN1901	<b>Anti-requisite(s):</b>	EN2002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session: lecture and seminar, and 1 optional consultative hour.			
	<b>Scheduled learning:</b> 45 hours		<b>Guided independent study:</b> 155 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr K Muth			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

EN3903 The English Poetic Tradition				
<b>SCOTCAT Credits:</b>	30	SCQF Level 9	<b>Semester:</b>	Whole Year
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Fortnightly classes starting Tue 16 September 2014, 6.30 - 9 pm.			
<p>This module covers aspects of the English poetic tradition from Chaucer to the twentieth century. The emphasis will be on the study of poems and groups of poems, linked by genre, theme or period, rather than the study of single authors, and will build on the study of poetry in the lower level Evening Degree modules EN1901 and EN2901.</p>				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	EN1901, EN2901	<b>Anti-requisite(s):</b>	Any full-time module in English	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> The module will be taught in a series of fortnightly seminars, usually consisting of an introductory lecture or formal presentation by a member of the School followed by group discussion, in which students will be expected to participate. There will be typically eight meetings in each semester, each lasting from 6.30 pm to 9.15pm.			
	<b>Scheduled learning:</b> 41 hours		<b>Guided independent study:</b> 259 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework (4 x 2,000 - 2,500 word essays) = 100%			
<b>Module Co-ordinator:</b>	TBC			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Evening Degree Programme - 2014/15 - August 2014

ES1901 Understanding Geology				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Mon starting 26 January 2015, 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.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Anti-requisite(s):</b>	ES1001 or ES1002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 3-hour session: lectures and practicals, plus fieldwork and tutorials			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 161 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 33%, Practical Examinations = 0%, Coursework = 67%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 33%, Coursework = 67% Re-Assessment: 2-hour Written Examination = 100%			
<b>Module Co-ordinator:</b>	Dr J Chambers			
<b>Lecturer(s)/Tutor(s):</b>	Earth and Environmental Sciences staff			

ES2901 Exploring Earth and Environmental Sciences				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme.			
<b>Planned timetable:</b>	Mon starting 15 September 2014, 6.30 - 9.30 pm			
This module is designed to build on the ES1901 module and develops further methods and concepts in geology. This module will provide an understanding of the optical properties of minerals and how they can be used to understand the formation of rocks; an introduction to geochemical and geophysical methods and data acquisition, and how this information can give more detailed insights into the Earth composition and structure; how weathering and glaciations sculpt the Earth's surface; how to understand the geological record from the interpretation of geological maps; learn about the techniques used in creating a geological map. The module includes a short field trip where some of the techniques covered during the course can be applied to rock formations in Fife.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	ES1901	<b>Anti-requisite(s):</b>	ES2001, ES2002, ES2003	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 3-hour session: lectures and practicals.			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 161 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 30%, Practical Examinations = 40%, Coursework = 30%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr J Chambers			
<b>Lecturer(s)/Tutor(s):</b>	Dr J Chambers			



GG1901 The Earth in Crisis? Understanding Current Global Environmental Issues				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Thu starting 29 January 2015, 6.20 - 9.30 pm			
This module explores the geographical, scientific, social and political dimensions of a range of current environmental issues such as population growth, land degradation, biodiversity, atmospheric and oceanic pollution, anthropogenic climate change, food supply and the exploitation of natural resources, and the implications of these issues for the future of both the global environment and human societies, particularly in the context of sustainable development. The range of issues selected for consideration in any year will be dependent on staff availability.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Anti-requisite(s):</b>	GG1002			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session: lectures and seminars.			
	<b>Scheduled learning:</b> 27 hours		<b>Guided independent study:</b> 173 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 33%, Practical Examinations = 33%, Coursework = 34%			
	<b>As used by St Andrews:</b> Written Examination = 33%, Practical Examination = 33%, Coursework = 34%			
<b>Module Co-ordinator:</b>	Dr P R Cundill			
<b>Lecturer(s)/Tutor(s):</b>	Dr P R Cundill			

IS1901 Information Technology 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Tue starting 16 September 2014, 6.30 - 9.30 pm			
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.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5 hour session: lectures, tutorials, seminars, presentations and supervised practicals, home study, essays and practical work.			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 161 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100% (including class tests)			
<b>Module Co-ordinator:</b>	evening-coord-cs@st-andrews.ac.uk			

## Evening Degree Programme - 2014/15 - August 2014

IS2901 Information Technology 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Tue starting 28 January 2015, 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>				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	IS1901 or Prior Accreditation of Learning or by special permission of the School			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session: lectures, tutorials, seminars, presentations and supervised practicals.			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 161 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100% (including class tests)			
<b>Module Co-ordinator:</b>	evening-coord-cs@st-andrews.ac.uk			

IS3901 Information Technology 3				
<b>SCOTCAT Credits:</b>	30	SCQF Level 9	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Tue starting 16 September 2014, 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.</p> <p>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>				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	IS2901 or Prior Accreditation of Learning or by special permission of the School			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session per week: lectures, tutorials, seminars, presentations and supervised practicals.			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 261 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100% (including a class test)			
<b>Module Co-ordinator:</b>	evening-coord-cs@st-andrews.ac.uk			

MO2901 Europe in the Twentieth Century				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Mon starting 26 January 2015, 6.30 - 9.30 pm			
<p>This survey of twentieth-century history focuses on Europe, but includes relations and involvement with the USA. It is divided into three major themes: the First World War, the Second World War and The Cold War. Students will be assessed in each of these areas. Each week's class, in the form of a lecture followed by a small group tutorial, focuses on a specific topic such as the Russian Revolution, Nazi foreign policy or The Sixties. Issues which run through the module as a whole include nationalism, the changing nature of warfare, individuals in history and the role of the masses. Students will be introduced to the events of this period, to historical debate about these events and to the use of primary sources in historical analysis.</p>				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	Entry to the Part-time Evening Degree Programme	<b>Anti-requisite(s):</b>	MO1003, MO1004	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 3-hour session (lecture plus tutorial).			
	<b>Scheduled learning:</b> 33 hours		<b>Guided independent study:</b> 167 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr C Linton			

MO3936 East Asia and the World 1850 - 1950				
<b>SCOTCAT Credits:</b>	30	SCQF Level 9	<b>Semester:</b>	Whole Year
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Every other Wed 6.30 pm - 9.00 pm			
<p>This introductory survey of modern East Asian begins with an examination of the evolving societies of the Qing dynasty, the Tokugawa regime, and the Choson dynasty on the Korean peninsula. Significant focus in the course will be given to the challenge of East Asian interactions with the West and western imperialism, including the domestic cultural and intellectual developments and responses to new challenges in the Japanese empire, including colonial Korea, and in the Chinese republic. Whenever possible the course will integrate and explore the parallels and contrasts in the experiences of Japan, Korea, and China and highlight some of the important transnational connections between them.</p>				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	SC1901 and MO2901			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2.5-hours (x 12 weeks)			
	<b>Scheduled learning:</b> 30 hours		<b>Guided independent study:</b> 270 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 24-hour Take-Home Examination = 60%, Coursework = 40%			
<b>Module Co-ordinator:</b>	Dr K M Lawson			
<b>Lecturer(s)/Tutor(s):</b>	Dr K M Lawson			

## Evening Degree Programme - 2014/15 - August 2014

MN2901 The Effective Manager (SUBJECT TO APPROVAL)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	TBC			
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.				
<b>Programme module type:</b>	Evening Degree programme			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session (lecture, seminar, practical).			
	<b>Scheduled learning:</b> 50 hours		<b>Guided independent study:</b> 150 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	M J Dowling			
<b>Lecturer(s)/Tutor(s):</b>	M J Dowling			

MT1901 Topics in Contemporary Mathematics				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Thu starting 18 September 2014, 6.30 - 9.30 pm (next available 2016-2017)			
This module will introduce areas of contemporary mathematics and statistics at a basic level. Topics may include chaos and fractals, the golden ratio, mathematical modelling of populations and analysis of the resulting equations. The statistical component will consider how to graph data, and will introduce probability, odds and betting, basic descriptive statistics and uncertainty and risk. The topics will be illustrated by simple examples and day-to-day situations.				
<b>Programme module type:</b>	Evening Degree programme			
<b>Pre-requisite(s):</b>	Entry to the Evening Degree programme. Basic algebraic manipulation, but not any knowledge of calculus, will be assumed. (Maths Standard Grade (Credit level) or Maths GCSE (Higher tier) would provide sufficient algebraic background.)			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 3-hour session (lecture plus tutorial).			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 161 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Prof K J Falconer			
<b>Lecturer(s)/Tutor(s):</b>	Prof K J Falconer, Dr A L Haynes, Dr E Rexstad			

MU1901 Understanding Music for Beginners				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Wed starting 17 September 2014, 6.30 - 9.30 pm			
This module examines the topics of music history, acoustics, aesthetics and musical theory and analysis. It aims to provide an overview of the history of western art music and a broad appreciation of different ways in which the study of music can be approached in an academic context. During the module students will develop skills in analysis which will allow them to read scores and be able to describe pieces of music in terms of form, structure, texture, timbre and instrumentation. This module has no pre-requisite but a basic knowledge of music notation and theory would be advantageous.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 3-hour session (lecture plus tutorial).			
	<b>Scheduled learning:</b> 37 hours		<b>Guided independent study:</b> 163 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 20%, Practical Examinations = 40%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination (1-hour listening section, 1-hour quiet writing section) = 50%, Coursework = 50% (oral presentation 10%, essay 40%)			
<b>Module Co-ordinator:</b>	Mr B Williams			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

PS1901 Introduction to Psychology 1				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Thu starting 18 September 2014, 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.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	Entry to the Part-time Evening Degree programme	<b>Anti-requisite(s):</b>	PS1001 and PS1002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session: lectures, practicals and tutorial work.			
	<b>Scheduled learning:</b> 30 hours		<b>Guided independent study:</b> 170 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Mr P L Gardner			
<b>Lecturer(s)/Tutor(s):</b>	Mr P L Gardner			

## Evening Degree Programme - 2014/15 - August 2014

PS2901 Introduction to Psychology 2				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Thu starting 29 January 2015, 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. Practicals and tutorial sessions will concentrate on the measurements of psychological effects and theoretical understanding.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	PS1901	<b>Anti-requisite(s):</b>	PS2001 and PS2002	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session: lectures, practicals and tutorial work.			
	<b>Scheduled learning:</b> 30 hours		<b>Guided independent study:</b> 170 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Mr P L Gardner			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

PS3902 Theoretical Perspectives in Psychology				
<b>SCOTCAT Credits:</b>	30	SCQF Level 9	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Mon starting 26 January 2015, 6.30 - 9.30 pm			
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.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	PS1901 and PS2901	<b>Anti-requisite(s):</b>	PS3901	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 3-hour session: lectures and practicals.			
	<b>Scheduled learning:</b> 36 hours		<b>Guided independent study:</b> 264 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Mr P L Gardner			
<b>Lecturer(s)/Tutor(s):</b>	Mr P L Gardner			

PY1901 Morality and Human Nature				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Wed starting 17 September 2014, 6.30 - 9.30 pm			
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.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Anti-requisite(s):</b>	PY1103, PY1105, PY1801	<b>Required for:</b>	PY2902, PY2903	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5 hour session: lectures and tutorials.			
	<b>Scheduled learning:</b> 35 hours		<b>Guided independent study:</b> 165 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	TBC			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

PY2902 Knowledge, Mind and Reality				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme.			
<b>Planned timetable:</b>	Wed starting 28 January 2015, 6.30 - 9.30 pm			
This module will acquaint students with a number of central topics in Epistemology, Philosophy of Mind, and Metaphysics. Students will have the opportunity to discuss and critically evaluate philosophical issues and problems relating to such matters as knowledge (e.g.: what constitutes knowledge? How should we respond to sceptical arguments that threaten the very possibility of knowledge?), the mind-body problem (e.g. is the mind the same thing as the brain? If not, what is it? Can the conscious mind be explained by science?), and metaphysical questions concerning such matters as the nature of objects, persons and causation, and the existence of God.				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	PY1901	<b>Anti-requisite(s):</b>	PY1005, PY1006, PY2801	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session: lectures and tutorials			
	<b>Scheduled learning:</b> 35 hours		<b>Guided independent study:</b> 165 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	TBC			

## Evening Degree Programme - 2014/15 - August 2014

SA1901 An Introduction to Anthropology			
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b> 1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme		
<b>Planned timetable:</b>	Wed starting 17 September 2014, 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>			
<b>Programme module type:</b>	Evening Degree Programme		
<b>Pre-requisite(s):</b>	Entry to the Part-time Evening Degree programme		
<b>Required for:</b>	SA2901		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5 hour session: lectures and seminars.		
	<b>Scheduled learning:</b> 27 hours	<b>Guided independent study:</b> 173 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	<b>As used by St Andrews:</b> Coursework = 100%		
<b>Module Co-ordinator:</b>	Dr J P Sarmiento Barletti		
<b>Lecturer(s)/Tutor(s):</b>	Dr J P Sarmiento Barletti		



SA2901 Today's World				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Wed starting 28 January 2015, 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>				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	SA1901			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session per week: lectures and seminars.			
	<b>Scheduled learning:</b> 27 hours		<b>Guided independent study:</b> 173 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr J P Sarmiento Barletti			
<b>Lecturer(s)/Tutor(s):</b>	Dr J P Sarmiento Barletti			

SC1901 Mediaeval Scotland 1100 - 1513				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme			
<b>Planned timetable:</b>	Mon starting 15 September 2014, 6.30 - 9.30 pm			
<p>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.</p>				
<b>Programme module type:</b>	Evening Degree Programme			
<b>Pre-requisite(s):</b>	Entry to the Part-time Evening Degree programme	<b>Anti-requisite(s):</b>	SC1001, SC2003	
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.5-hour session: lectures and seminars.			
	<b>Scheduled learning:</b> 27 hours		<b>Guided independent study:</b> 173 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 30%, Practical Examinations = 0%, Coursework = 70%			
	<b>As used by St Andrews:</b> 3-hour Written Examination = 30%, Coursework = 70%			
<b>Module Co-ordinator:</b>	Dr C A McGladdery			
<b>Lecturer(s)/Tutor(s):</b>	Dr C A McGladdery			

## Evening Degree Programme - 2014/15 - August 2014

SC3901 Castles and Lordship (1100 - 1550)			
<b>SCOTCAT Credits:</b>	30	SCQF Level 9	<b>Semester:</b> Whole Year
<b>Availability restrictions:</b>	Available only to students on the Evening Degree Programme		
<b>Planned timetable:</b>	Fortnightly classes starting Thu 18 September 2014, 6.30 - 9.30 pm		
<p>This module examines the evolution of the castle in Scotland from the early earth and timber structures to the great royal fortresses and baronial tower houses, examining their central role in the exercise of magnate power in mediaeval Scotland. Defensive strongholds in times of strife, national and domestic, the castle was also, perhaps more importantly, a physical manifestation of status, power and prestige for the families who owned them. Some attention will be given to the architecture and uses of the castle, including choice of situation, chief or lesser residences, garrison centres etc., although this module will be concerned, primarily, with the significance of the various strongholds in the hands of influential families and the extent to which their local or national standing was enhanced by the acquisition or construction of such castles.</p>			
<b>Programme module type:</b>	Evening Degree Programme		
<b>Pre-requisite(s):</b>	SC1901 and MO2901		
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2.75-hour seminar per fortnight.		
	<b>Scheduled learning:</b> 14 hours	<b>Guided independent study:</b> 286 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 0%, Coursework = 60%		
	<b>As used by St Andrews:</b> 3-hour Written Examination = 40%, Coursework = 60%		
<b>Module Co-ordinator:</b>	Dr C A McGladdery		
<b>Lecturer(s)/Tutor(s):</b>	Dr C A McGladdery		

## Distance Learning Modules

### Philosophy

N.B. PY1801, PY1802, PY2801 and PY2801 are available ONLY to distance-learning students or Evening Degree students

PY1801 Ethical Issues (by Distance Learning)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Academic year:</b>	2014/5			
<b>Availability restrictions:</b>	(subject to sufficient student demand). Non-graduating distance-learning students only.			
<b>Planned timetable:</b>	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?)				
<b>Programme module type:</b>	Distance Learning			
<b>Anti-requisite(s):</b>	PY1901, PY1101, PY1103, PY1105			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Via Moodle - weekly 1-hour scheduled live tutorial chat.			
	<b>Scheduled learning:</b> 15 hours		<b>Guided independent study:</b> 185 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr L Jones			
<b>Lecturer(s)/Tutor(s):</b>	TBC			

## Distance Learning Modules - 1000 & 2000 Level 2014/15 - August 2014

PY1802 Reasoning and Knowledge (by Distance Learning)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Academic year:</b>	2014/5			
<b>Availability restrictions:</b>	(subject to sufficient student demand) Non-graduating distance-learning students only			
<b>Planned timetable:</b>	No traditional classes: e-learning module.			
<p>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.</p>				
<b>Programme module type:</b>	Distance Learning			
<b>Anti-requisite(s):</b>	PY1006, PY2902			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Via Moodle - weekly 1-hour scheduled live tutorial chat.			
	<b>Scheduled learning:</b> 15 hours		<b>Guided independent study:</b> 185 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr L Jones			

PY2801 Mind and Reality (by Distance Learning)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	1
<b>Academic year:</b>	2014/5			
<b>Availability restrictions:</b>	(subject to sufficient student demand) Non-graduating distance-learning students only.			
<b>Planned timetable:</b>	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>				
<b>Programme module type:</b>	Distance Learning			
<b>Anti-requisite(s):</b>	PY1005, PY2902			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Via Moodle - weekly 1-hour scheduled live tutorial chat.			
	<b>Scheduled learning:</b> 15 hours		<b>Guided independent study:</b> 185 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr L Jones			
<b>Lecturer(s)/Tutor(s):</b>	Dr L Jones			

PY2802 Modern Philosophy: from Descartes to Kant (by Distance Learning)				
<b>SCOTCAT Credits:</b>	20	SCQF Level 8	<b>Semester:</b>	2
<b>Academic year:</b>	2014/5			
<b>Availability restrictions:</b>	(subject to sufficient student demand) Non-graduating distance-learning students only.			
<b>Planned timetable:</b>	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>				
<b>Programme module type:</b>	Distance Learning			
<b>Anti-requisite(s):</b>	PY2004, PY2901			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Via Moodle - weekly 1-hour scheduled live tutorial chat.			
	<b>Scheduled learning:</b> 15 hours		<b>Guided independent study:</b> 185 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	<b>As used by St Andrews:</b> Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr L Jones			
<b>Lecturer(s)/Tutor(s):</b>				

## Sustainable Aquaculture

<b>BL1801 The Global Aquaculture Industry</b>				
<b>SCOTCAT Credits:</b>	5	SCQF Level 7	<b>Semester:</b>	1 & 2 (taught twice)
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for Certificate in Sustainable Aquaculture			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2-hour lectures and 2-hour tutorials each week over 10 weeks.			
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = %, Practical Examinations = 0%, Coursework = %			
	<b>As used by St Andrews:</b> Coursework = 40%, 2-hour Examination = 60%			
<b>Module Co-ordinator:</b>	Dr N Hazon			

<b>BL2802 Fish and Invertebrate Biology</b>				
<b>SCOTCAT Credits:</b>	5	SCQF Level 8	<b>Semester:</b>	1 & 2 (taught twice)
<b>Planned timetable:</b>	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.				
<b>Programme module type:</b>	Compulsory for Certificate in Sustainable Aquaculture			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2-hour tutorials over 10 weeks.			
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = %, Practical Examinations = 0%, Coursework = %			
	<b>As used by St Andrews:</b> Coursework = 40%, 2-hour Examination = 60%			
<b>Module Co-ordinator:</b>	Dr N Hazon			