

School of Psychology & Neuroscience

Modules

Normally the prerequisite for each of the following Honours modules is entry to the Honours Programme(s) for which they are specified, as well as any additional specific prerequisite(s) given.

General degree students wishing to enter 3000-level modules and non-graduating students wishing to enter 3000-level or 4000 level-modules must consult with the relevant Honours Adviser within the School before making their selection.

Psychology (PS) Modules

PS3021 Research Design and Analysis 1				
SCOTCAT Credits:	15	SCQF Level 9	Semester:	1
Planned timetable:	9.00 am - 11.00 am / 2:00 - 5:00 pm Mon.			
This module is designed to provide a basic understanding of research design and statistics that will provide the foundations for independent empirical research and critical analysis required in the final year of the Honours programme. Emphasis will be placed on the acquisition of design and analysis skills and an understanding of the underlying philosophy that guides research. The syllabus will include core aspects such as ethical issues in research, basic statistics, technical writing and the use of statistical packages.				
Programme module type:	Compulsory for Single and Joint Honours Psychology degrees with BPS recognition, Psychology with Biology, Psychology with Film Studies. Compulsory for BPS Recognition. Optional for Joint Honours Psychology without BPS recognition.			
Required for:	PS3022			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture and 1 x 3-hour laboratory class or seminar.			
	Scheduled learning: 55 hours		Guided independent study: 95 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: Coursework = 40%, Written Examination = 60%			
Module Co-ordinator:	Dr M W Oram			
Lecturer(s)/Tutor(s):	Dr M W Oram			

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PS3022 Research Design and Analysis 2				
SCOTCAT Credits:	15	SCQF Level 9	Semester:	2
Planned timetable:	9.00 am - 11.00 am / 2:00 - 5:00 pm Mon.			
This module is designed to provide a more advanced understanding of research design and statistics. Emphasis will be placed on the acquisition of analytical skills covering typical research situations encountered in the behavioural sciences. The syllabus will include advanced analysis of variance, multivariate statistics and non-parametric statistics, as well as training in computerised data analysis and presentation.				
Programme module type:	Compulsory for Single and Joint Honours Psychology degrees with BPS recognition, Psychology with Biology, Psychology with Film Studies, Psychology with Geography. Compulsory for BPS Recognition. Optional for Joint Honours Psychology without BPS recognition.			
Pre-requisite(s):	PS3021			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture and 1 x 3-hour laboratory class or seminar.			
	Scheduled learning: 55 hours		Guided independent study: 95 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: Coursework = 40%, Written Examination = 60%			
Module Co-ordinator:	Dr P Foldiak			
Lecturer(s)/Tutor(s):	Dr P Foldiak and Mr P Gardner			

PS3031 Conceptual Issues and Theoretical Perspectives				
SCOTCAT Credits:	10	SCQF Level 9	Semester:	1
Planned timetable:	9.00 am - 11.00 am and 2.00 pm - 5.00 pm Thu. (first half of semester)			
This module addresses the historical and philosophical background to current debates in psychology. The module will be taught via lectures and seminars including student presentations. Emphasis will be placed on the development of critical analysis of alternative models and levels of explanations of behaviour, and the ability to relate conceptual debates in psychology to issues in the real world.				
Programme module type:	Compulsory for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography. Compulsory module for BPS Recognition.			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture and 1 x 3-hour laboratory class or seminar (only first half of semester).			
	Scheduled learning: 27 hours		Guided independent study: 73 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Module Co-ordinator:	Mr P L Gardner			
Lecturer(s)/Tutor(s):	Mr P L Gardner			

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PS3032 Assessment in Clinical Psychology				
SCOTCAT Credits:	10	SCQF Level 9	Semester:	2
Planned timetable:	9.00 am - 11.00 am and 2.00 pm - 5.00 pm Thu. (second half of semester).			
This module presents psychopathological conditions and provides a basic understanding of the underlying neuronal and/or cognitive-behavioural mechanisms. Examples will be drawn from the field of clinical psychology and/or clinical neuropsychology. The module will further explore in detail the tools and procedures used to assess psychopathological conditions by discussing their theoretical/statistical background and by demonstrating how to use these tools in clinical and experimental settings.				
Programme module type:	Compulsory for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography. Compulsory module for BPS Recognition.			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture and 1 x 3-hour laboratory class or seminar (second half of semester).			
	Scheduled learning: 27 hours		Guided independent study: 73 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: Written Examination = 100%			
Module Co-ordinator:	Dr A A Kehagia			

PS3033 Developmental Psychology				
SCOTCAT Credits:	10	SCQF Level 9	Semester:	2
Planned timetable:	9.00 am - 11.00 am and 2.00 pm - 5.00 pm Thu. (first half of semester)			
This module is designed to equip students with an appreciation of key principles, concepts, methods and discoveries in developmental psychology, with an emphasis on evolutionary and comparative perspectives that are a particular strength of such work in St Andrews. The module aims to offer a broad perspective spanning infancy to childhood, and a range of key topics in cognitive and social development.				
Programme module type:	Compulsory for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography. Compulsory module for BPS Recognition.			
Anti-requisite(s):	PS3010 and PS3011			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture and 1 x 3-hour laboratory class or seminar (first half of semester).			
	Scheduled learning: 27 hours		Guided independent study: 73 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Module Co-ordinator:	Prof D A Whiten			
Lecturer(s)/Tutor(s):	Prof D A Whiten			

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PS3034 Social Psychology				
SCOTCAT Credits:	10	SCQF Level 9	Semester:	2
Planned timetable:	9.00 am - 11.00 am and 2.00 pm - 5.00 pm Tue. (first half of semester)			
This module explores in depth key topics across the breadth of social psychological enquiry. A variety of research approaches will be examined in order to develop the scientific understanding and critical skills in this field. Approaches that will be covered include social cognition, social identity and the study of intergroup relations. In each case, the strengths and limitations of the approaches are explored, and theoretical knowledge will be linked to current events.				
Programme module type:	Compulsory for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography. Compulsory module for BPS Recognition.			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture and 1 x 3-hour laboratory class or seminar (first half of semester).			
	Scheduled learning: 27 hours		Guided independent study: 73 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Module Co-ordinator:	Dr N Tausch			
Lecturer(s)/Tutor(s):	Dr N Tausch			

PS3035 Cognitive and Behavioural Neuroscience				
SCOTCAT Credits:	10	SCQF Level 9	Semester:	1
Planned timetable:	9.00 am - 11.00 am and 2.00 pm - 5.00 pm Tue. (first half of semester).			
This module aims to provide an understanding of psychological knowledge in several inter-related domains concerned with the biological bases of behaviour. Emphasis will be laid on basic experimental science from analysis of molecular and synaptic events, single cell studies, brain activity scans, and clinical studies, and the relationship between cognitive, emotional, behavioural, neurological and physiological processes will be examined.				
Programme module type:	Compulsory for Neuroscience, Single Honours Psychology. Either PS3035 or PS3036 is a compulsory for Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography and for BPS Recognition.			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture and 1 x 3-hour laboratory class or seminar (first half of semester).			
	Scheduled learning: 27 hours		Guided independent study: 73 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: Written Examination = 100%			
Module Co-ordinator:	Dr I Jentzsch			
Lecturer(s)/Tutor(s):	Dr I Jentzsch			

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PS3036 Evolutionary and Comparative Psychology				
SCOTCAT Credits:	10	SCQF Level 9	Semester:	2
Planned timetable:	9.00 am - 11.00 am and 2.00 pm - 5.00 pm Tue. (second half of semester).			
This module will address evolutionary and comparative approaches to psychology. The aim is to provide an understanding of major evolutionary forces and how they have shaped animal and human behaviour and psychology. Key principles, concepts and methodologies will be introduced and related to specific topic areas such as the evolution of social behaviour and the evolutionary origins of language and cognition.				
Programme module type:	Compulsory for Single and Joint Honours Psychology. Either PS3035 or PS3036 is a compulsory for Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography and for BPS Recognition.			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture and 1 x 3-hour laboratory class or seminar (second half of semester).			
	Scheduled learning: 27 hours		Guided independent study: 73 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			

PS3037 Perception				
SCOTCAT Credits:	10	SCQF Level 9	Semester:	1
Planned timetable:	9.00 am - 11.00 am and 2.00 pm - 5.00 pm Tue. (second half of semester).			
The aim of this module is to develop an understanding of visual perception and its functions. Stress will be laid on the integration of findings from physiology, neuropsychology, anatomy, and psychophysics. Topic areas covered will include theories of human vision and their application to understanding our ability to perceive distinct visual properties, for example the shape, size, location and identity of objects. Emphasis will be placed on the development of the skill of critical evaluation of evidence and theory.				
Programme module type:	Compulsory for Neuroscience, Single Honours Psychology. Either PS3037 or PS3038 (normally PS3038) is a compulsory for Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography and for BPS Recognition.			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture and 1 x 3-hour laboratory class or seminar (second half of semester).			
	Scheduled learning: 27 hours		Guided independent study: 73 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: Written Examination = 100%			
Module Co-ordinator:	Dr C N Jonas			
Lecturer(s)/Tutor(s):	Dr C N Jonas			

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PS3038 Cognition				
SCOTCAT Credits:	10	SCQF Level 9	Semester:	1
Planned timetable:	9.00 am - 11.00 am and 2.00 pm - 5.00 pm Thu. (second half of semester).			
The aim of this module is to develop an understanding of human memory and attention. Topic areas covered will include theories of attention, short and long term memory, processes involved in memory encoding, maintenance and retrieval. Emphasis will be placed on the development of the skill of critical evaluation of evidence and theory. Lectures will be accompanied by practical classes, in which students will gain experience of the experimental methods used in cognitive research, and seminars in which research papers will be critically evaluated.				
Programme module type:	Compulsory for Neuroscience, Single Honours Psychology. Either PS3037 or PS3038 (normally PS3038) is a compulsory for Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography and for BPS Recognition.			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture and 1 x 3-hour laboratory class or seminar (second half of semester).			
	Scheduled learning: 27 hours		Guided independent study: 73 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: Written Examination = 100%			
Module Co-ordinator:	Dr J G Quinn			
Lecturer(s)/Tutor(s):	Dr J G Quinn			

PS4040 Psychology Review				
SCOTCAT Credits:	10	SCQF Level 10	Semester:	0
Planned timetable:	Not applicable.			
This module will foster the abilities needed to search, collate and integrate an extensive area of psychological literature. Emphasis will be placed on analytical and methodological issues, and this module therefore complements PS3021 and PS3022. A systematic approach to the analysis of a specific body of literature will be encouraged. Students are invited to identify preferred subject matters so long as they fall within the area of the supervisor's expertise. Supervision will be given to aid students in the collation, planning and organisational phases of their work. The review will be limited to 5,000 words.				
Programme module type:	Compulsory for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography. Compulsory for BPS Recognition.			
Co-requisite(s):	PS3021 and PS3022. This module is normally completed in the first year of the Honours Programme.			
Learning and teaching methods and delivery:	Weekly contact: Individual supervision by pre-assigned member of staff.			
	Scheduled learning: 10 hours		Guided independent study: 90 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Review = 100%			
Module Co-ordinator:	Dr J G Quinn			
Lecturer(s)/Tutor(s):	Dr J G Quinn			

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PS4050 Psychology Project				
SCOTCAT Credits:	30	SCQF Level 10	Semester:	0
Planned timetable:	Not applicable.			
The aim of the project is to develop and foster the skills of experimental design, appropriate research management and statistical analysis. A wide choice of topics is possible, but the skills developed in modules PS3021, PS3022 and PS4040 are an essential preparation. The empirical part of the project may be conducted with another student, to allow greater research scope and the choice of more realistic problems, but all analysis and report-writing must be carried out individually. Topics range over all areas of psychology under active investigation in the School, and effort is made to arrange for students to work in one of their preferred areas.				
Programme module type:	Compulsory for Single and Joint Honours Psychology with BPS recognition. BL4200 or BL4201 or PS4050 are compulsory for Neuroscience. BL4200 or PS4050 is compulsory for Psychology with Biology. Compulsory for BPS Recognition.			
Pre-requisite(s):	PS4040, PS3021 and PS3022.			
Learning and teaching methods and delivery:	Weekly contact: Individual supervision by pre-assigned member of staff			
	Scheduled learning: 30 hours		Guided independent study: 270 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Dissertation = 100%			
Module Co-ordinator:	Dr J G Quinn			
Lecturer(s)/Tutor(s):	Dr J G Quinn			

PS4060 Review Essay				
SCOTCAT Credits:	15	SCQF Level 10	Semester:	0
Availability restrictions:	Available only to students in the second year of the Honours Programme.			
Planned timetable:	To be arranged.			
In this module candidates will choose a title from a range of topics and questions and write an unsupervised review essay addressing it. Titles will be designed to allow candidates both to tackle an issue of current active interest in psychology and to display their ability to appreciate links between material from different areas of psychological inquiry.				
Programme module type:	Compulsory for Single Honours Psychology. Optional for Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography.			
Anti-requisite(s):	BL4200			
Learning and teaching methods and delivery:	Weekly contact: 3 x 2-hour workshops in Semester 1			
	Scheduled learning: 6 hours		Guided independent study: 144 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Essay = 100%			
Module Co-ordinator:	Dr J G Quinn			
Lecturer(s)/Tutor(s):	Prof V J Brown			

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PS4064 Working Memory			
SCOTCAT Credits:	15	SCQF Level 10	Semester: 1
Availability restrictions:	Available only to students in the second year of the Honours Programme.		
Planned timetable:	11.00 am - 1.00 pm Wed.		
<p>This module will have both a theoretical and an applied aspect. It will illustrate how cognitive models are developed, what type of evidence is important in sustaining this development and the weight of evidence required to significantly alter the direction of such development. In its theoretical aspect, the module will investigate an influential model of memory - the Working Memory Model. The model is wide-ranging with aspects concerned with verbal and visual memory and with attention. Increasingly, there is neuropsychological input to the models development. In its applied aspects, the module will acknowledge the fact that WM is often used as a theoretical backdrop to our understanding of a variety of different 'real life' matters. Teaching will be based on seminars in which class members will be expected to play an active part, contributing on the basis of their own extensive reading. Emphasis will be placed on development of the skill of critical evaluation of research reports, and those skills necessary for going beyond current topics into future directions of research.</p>			
Programme module type:	Optional for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography		
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminars plus tutorial time.		
	Scheduled learning: 33 hours	Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	As used by St Andrews: Coursework = 25%, Written Examination = 75%		
Module Co-ordinator:	Dr J G Quinn		
Lecturer(s)/Tutor(s):	Dr J G Quinn		

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PS4066 Neural Modelling				
SCOTCAT Credits:	15	SCQF Level 10	Semester:	2
Availability restrictions:	Normally available only to students in the second year of the Honours Programme.			
Planned timetable:	9.00 am - 11.00 am Fri.			
<p>This module aims to develop an understanding of some of the fundamental principles of brain function in terms of the information processing involved in psychological phenomena and working models of specific neural circuits in the brain. Teaching will be based on seminars in which class members will be expected to play an active part, contributing on the basis of their extensive reading. Emphasis will be placed on developing the skill of critical evaluation of research reports, and those skills necessary for going beyond current topics into future directions of research. There will be some flexibility on the choice of topics to be covered by the seminars, but they may include some of the following topics: models of processes involved in perception, memory, neural organisation (e.g. neural maps), the representation of information and knowledge (e.g. neural coding and decoding) and models of cognitive processes.</p>				
Programme module type:	Optional for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography			
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminars plus tutorial time.			
	Scheduled learning: 33 hours		Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	As used by St Andrews: Coursework = 25%, Written Examination = 75%			
Module Co-ordinator:	Dr P Foldiak			
Lecturer(s)/Tutor(s):	Dr P Foldiak			

PS4069 Group Behaviour				
SCOTCAT Credits:	15	SCQF Level 10	Semester:	2
Availability restrictions:	Available only to students in the second year of the Honours Programme.			
Planned timetable:	11.00 am - 1.00 pm Mon.			
<p>This module aims to develop an advanced understanding of selected topics relating to the psychology of groups and collective behaviour. It will address how behaviour is affected by the group context and examine the psychological mechanisms which shape how people act as group members. Teaching will be seminar based and students will be expected to read independently and contribute actively to sessions. Emphasis will be placed on the development of critical skills and the ability to relate individual studies and theories to broader conceptual debates in social psychology. More detailed module content will be announced in advance of student choices.</p>				
Programme module type:	Optional for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography			
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminar plus tutorial time.			
	Scheduled learning: 33 hours		Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	As used by St Andrews: Coursework = 25%, Written Examination = 75%			
Module Co-ordinator:	Prof S Reicher			
Lecturer(s)/Tutor(s):	Prof S Reicher			

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PS4071 Behavioural Neuroscience			
SCOTCAT Credits:	15	SCQF Level 10	Semester: 2
Availability restrictions:	Available only to students in the second year of the Honours Programme.		
Planned timetable:	11.00 am - 1.00 pm Fri.		
<p>The overall aim of this module is to allow students access to current research in the area of behavioural neuroscience. Possible topics include motivation, learning and attention. Past themes explored in the module include: the relationship between 'normal' learning and addiction; the transition from goal-directed action to stimulus-response habit; the neural basis of compulsive gambling; the efficacy of biological treatments of addiction; and the behavioural and neural effects of MDMA ('ecstasy'). Results from both human and animal research will be considered in parallel, with examples of papers ranging from molecular neuroscience to neuropsychology. The format of the module will include lectures (which are designed to provide the students with the background necessary to read research articles); guided seminars and student presentations summarising research articles. In order to maximise the benefits of the students' presentations, each student will meet with the lecturer at least twice to discuss the topic and content of their talk.</p>			
Programme module type:	Optional for Single and Joint Honours Psychology degrees, Psychology with Biology, Psychology with Film Studies, Psychology with Geography		
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminars plus tutorial time.		
	Scheduled learning: 33 hours	Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	As used by St Andrews: Coursework = 25%, Written Examination = 75%		
Module Co-ordinator:	Dr E M Bowman		
Lecturer(s)/Tutor(s):	Dr E M Bowman		

PS4074 Cognitive Psychology and the Emotional Disorders			
SCOTCAT Credits:	15	SCQF Level 10	Semester: 1
Academic year:	NOT AVAILABLE 2012/3		
Availability restrictions:	Available only to students in the second year of the Honours Programme.		
Planned timetable:	11.00 am - 1.00 pm		
<p>This module is designed to demonstrate how theories from cognitive psychology can enhance our understanding of the emotional disorders. Teaching will be based on individual seminar presentations followed by class discussion. In the presentations students will be expected to review and critically evaluate original research. Seminars will focus on topics such as autobiographical memory and depression, autobiographical memory and anxiety, attentional bias in depression and anxiety, and interpretative biases in depression and anxiety. At the end of the seminar series, students should understand how depression and anxiety can be differentiated on the basis of these biases.</p>			
Programme module type:	Optional for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography		
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminars plus tutorial time.		
	Scheduled learning: 33 hours	Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	As used by St Andrews: Coursework = 25%, Written Examination = 75%		
Module Co-ordinator:	Dr B Dritschel		

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PS4083 Psychology of Music				
SCOTCAT Credits:	15	SCQF Level 10	Semester:	1
Availability restrictions:	Available only to students in the second year of the Honours Programme.			
Planned timetable:	11.00 am - 1.00 pm Mon.			
The aim of the module is to introduce students to psychological processes underlying music perception, cognition, and performance. The relationship between musical phenomena and mental functions will be illustrated. The module will cover different aspects of music perception including psychoacoustics and sound perception, music cognition including music memory emotion and expectancies, skilled performance as well as abnormalities in music perception and performance. The module will be taught in the form of seminars including student presentations. Emphasis will be placed on the development of critical thinking and the ability to relate conceptual debates in psychology to issues in the real world.				
Programme module type:	Optional for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography			
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminars plus tutorial time.			
	Scheduled learning: 33 hours		Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	As used by St Andrews: Coursework = 25%, Written Examination = 75%			
Module Co-ordinator:	Dr I Jentsch			
Lecturer(s)/Tutor(s):	Dr I Jentsch			

PS4084 The Psychology of Visual Art				
SCOTCAT Credits:	15	SCQF Level 10	Semester:	2
Availability restrictions:	Available only to students in the second year of the Honours Programme.			
Planned timetable:	11.00 am - 1.00 pm Thu.			
This module will explore the value and limitations of a scientific approach to understanding visual art, and the extent to which a neurological theory of aesthetic experience is possible. These questions will be addressed from evolutionary, cognitive and neurological perspectives. Examples of specific topics that will be tackled include: can the appreciation of art be reduced to a set of physiological responses?; is it possible to describe laws of aesthetic experience?; can particular works or art be understood in terms of the known properties of the visual system?; what happens to visual artists with neuropsychological deficits? The module will be based on a critical analysis of contemporary scientific studies in the field.				
Programme module type:	Optional for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography			
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminars plus tutorial time.			
	Scheduled learning: 33 hours		Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	As used by St Andrews: Coursework = 25%, Written Examination = 75%			
Module Co-ordinator:	Dr P B Hibbard			
Lecturer(s)/Tutor(s):	Dr P B Hibbard			

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PS4085 Evolution and Development of Social and Technical Intelligence			
SCOTCAT Credits:	15	SCQF Level 10	Semester: 1
Availability restrictions:	Available only to students in the second year of the Honours Programme.		
Planned timetable:	11.00 am - 1.00 pm Thu.		
<p>The last two decades have witnessed a surge of research on social and technical intelligence, both in humans and an increasingly wide range of non-human animal species. This module surveys the principal discoveries, integrating field and captive studies, as well as both observational and experimental methodologies, to trace the evolution and development of aspects of social intelligence such as imitation and theory of mind, and technical intelligence, such as tool use and understanding of causality. Key aims include appreciating the range of methodologies that have been developed and how these can be used to trace the evolution and ontogeny of the underlying psychological mechanisms.</p>			
Programme module type:	Optional for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography Optional for M.Sc. Evolutionary and Comparative Psychology: the Origins of Mind.		
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminars plus tutorial time.		
	Scheduled learning: 33 hours	Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework = 100%		
Module Co-ordinator:	Prof D A Whiten		
Lecturer(s)/Tutor(s):	Prof D A Whiten		

PS4086 Origins and Evolution of Mind Reading (Theory of Mind)			
SCOTCAT Credits:	15	SCQF Level 10	Semester: 2
Availability restrictions:	Available only to students in the second year of the Honours Programme.		
Planned timetable:	11.00 am - 1.00 pm Tue.		
<p>The module will offer a comparative approach to the emergence of the ability to understand mental states in children and non-human primates, and its alteration in autism. This ability (also known as Theory of Mind) is at the heart of many of humans unique cognitive achievements, but their origins can be traced back in evolution and development. The course will discuss the current state of research in this area, emphasising both empirical and conceptual aspects posed by the combination of the evolutionary and developmental approaches.</p>			
Programme module type:	Optional for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography Optional for M.Sc. Evolutionary and Comparative Psychology: the Origins of Mind.		
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminars plus tutorial time.		
	Scheduled learning: 33 hours	Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%		
	As used by St Andrews: Coursework = 25%, Written Examination = 75%		
Module Co-ordinator:	Dr J-C Gomez		
Lecturer(s)/Tutor(s):	Dr J-C Gomez		

Psychology & Neuroscience - Honours Level 2012/13 - September 2012

PS4088 Emotion				
SCOTCAT Credits:	15	SCQF Level 10	Semester:	2
Availability restrictions:	Available only to students in the second year of the Honours Programme.			
Planned timetable:	11.00 am - 1.00 pm Wed.			
<p>This seminar-based module involves readings and discussions on psychological theories of human emotion. The following questions are examined in detail: What constitutes an emotion? Are there basic emotions universal to all humans? Or do experiences of emotion differ across cultures? How are emotions different (or the same) from moods and feelings? The module includes topics on emotion and motivation; social psychological perspectives on emotion; the interface between affect and cognition; cultural variation in emotion; biological and evolutionary bases; and papers on specific emotions such as anger, happiness, guilt, shame, and disgust. Critical analysis of theory and research on emotion is emphasised.</p>				
Programme module type:	Optional for Single and Joint Honours Psychology, Psychology with Biology, Psychology with Film Studies, Psychology with Geography			
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminars plus tutorial time.			
	Scheduled learning: 33 hours		Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 75%, Practical Examinations = 0%, Coursework = 25%			
	As used by St Andrews: Coursework = 25%, Written Examination = 75%			
Module Co-ordinator:	Dr S Sheikh			
Lecturer(s)/Tutor(s):	Dr S Sheikh			

PS4089 Neural Basis of Episodic Memory				
SCOTCAT Credits:	15	SCQF Level 10	Semester:	1
Availability restrictions:	Available only to students in the second year of the Honours Programme.			
Planned timetable:	11.00 am - 1.00 pm Fri.			
<p>This module will examine how the brain enables us to remember information from our personal experience. It will present students with cutting edge research using both humans and animals that gives us an insight into how the psychological components of episodic memory can be represented and processed by the brain. We will go on to look at how this type of research is applied in fields such as future thinking and memory decline in dementia. The course will include lectures and student presentations based around current research articles in the field.</p>				
Programme module type:	Optional for Single and Joint Honours Psychology, and Neuroscience.			
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminars plus tutorial time.			
	Scheduled learning: 33 hours		Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Module Co-ordinator:	Dr J A Ainge			
Lecturer(s)/Tutor(s):	Dr J A Ainge			

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PS4090 Face Perception and Human Attraction				
SCOTCAT Credits:	15	SCQF Level 10	Semester:	1
Availability restrictions:	Available only to students in the second year of the Honours Programme.			
Planned timetable:	9.00 am - 11.00 am Wed.			
This advanced-level module will focus on face perception. The aim is to provide understanding of the development and evolutionary basis of driving forces behind human relationships and knowledge of the biological basis and psychological manifestations of these influences. Topics include: the neural basis of face attraction; development of face preferences; hormone influences on preferences and competition; sexual selection, kin selection; facial cues to health and social behaviour. Teaching will be based on the origin of individual differences, and the interaction between experience and biological factors in shaping human mate choice.				
Programme module type:	Optional for Single and Joint Honours Psychology, and Neuroscience.			
Learning and teaching methods and delivery:	Weekly contact: 0.5-hour lectures, 3.5-hour seminars and 1-hour tutorials throughout the semester.			
	Scheduled learning: 33 hours		Guided independent study: 117 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%			
	As used by St Andrews: Coursework = 100%			
Module Co-ordinator:	Prof D Perrett			
Lecturer(s)/Tutor(s):				

PS4091 Modelling and Computer-aided Research				
SCOTCAT Credits:	15	SCQF Level 10	Semester:	1
Availability restrictions:	Available only to students in the second year of the Honours Programme.			
Planned timetable:	11.00 am - 1.00 pm Tue.			
As research becomes ever more computationally intense, the ability to use modern research software is becoming indispensable. This practical module will offer an introduction to computational modelling and provide you with the skills necessary to apply it in your research. Emphasis will be put on using scientific scripting languages in a research context. This module will build on the statistical techniques learned in previous modules and introduce modelling techniques, and imaging, stimulus presentation, and data visualisation.				
Programme module type:	Optional for Single and Joint Honours Psychology, and Neuroscience.			
Pre-requisite(s):	PS3021, PS3022			
Learning and teaching methods and delivery:	Weekly contact: 1 lecture and 1 seminar plus tutorial time.			
	Scheduled learning: 22 hours		Guided independent study: 128 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	As used by St Andrews: Coursework = 40%, Examination = 60%			
Module Co-ordinator:	Dr D W Hunter			
Lecturer(s)/Tutor(s):	Dr D W Hunter			

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PS4299 Neuroscience Research Project				
SCOTCAT Credits:	60	SCQF Level 10	Semester:	0
Availability restrictions:	Available only to Neuroscience students			
Planned timetable:	To be arranged with the supervisor.			
<p>This project will involve extensive laboratory or field research to investigate a defined problem within biology or psychology, appropriate to the degree programme being studied by each student. The project will involve diligence, initiative and independence in pursuing the literature, good experimental design, good experimental and/or analytical technique either in the field or the laboratory, and excellent record keeping. The project will culminate in the production of a high-quality report that demonstrates a deep understanding of the chosen area of research. Students will be allocated to a member of staff within the School of Psychology and Neuroscience or the School of Biology who will guide and advise them in research activities throughout the academic year.</p>				
Programme module type:	BL4200 or BL4201 or PS4299 compulsory for Neuroscience			
Anti-requisite(s):	BL4200, BL4201			
Learning and teaching methods and delivery:	Weekly contact: Meetings with supervisor.			
	Scheduled learning: 33 hours		Guided independent study: 567 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 35%, Coursework = 65%			
	As used by St Andrews: Coursework = 65%, Practical Examination = 35%			
Module Co-ordinator:	Prof K T Sillar			