Interdisciplinary (ID) Modules

ID4002 Communication and Teaching in Arts and Humanities				
SCOTCAT Credits:	15	SCQF Level 10	**Semester**	1
Academic year:	2019/0			
Availability restrictions:	Available only to students in the Schools of Classics, Divinity, English, Geography & Geosciences, History, International Relations, Modern Languages or Departments of Philosophy.			
Planned timetable:	To be arranged.			
This module provides final year students within the Faculties of Arts and Divinity with the opportunity to gain first hand experience of education through a mentoring scheme with teachers in local schools. This module will enable students to gain substantial experience of working in a challenging and unpredictable working environment, and to gain a broad understanding of many of the key aspects of teaching in schools.				
Co-requisite(s):	If taken within classics, divinity, english, history, international relations or philosophy, a further 15-credit subject-specific module may be required			
Learning and teaching methods of delivery:	**Weekly contact**: The module commences with an Induction Event at the University (3 hours). Students spend a minimum of 20 hours during the semester at their placement. 3 x 1-hour tutorials are held at the University during the semester. The module concludes with an oral presentation session.			
	Scheduled learning: 28 hours		**Guided independent study:** 122 hours	
Assessment pattern:	**As defined by QAA:** Written Examinations = 0%, Practical Examinations = 30%, Coursework = 70%			
	As used by St Andrews: Coursework = 100% comprising: Written project proposal (10%) + written report (35%) = 45% Oral presentation (at University, assessed by module lecturers) = 30% A further 25% of Coursework is in the form of a report by their placement-mentor on the studentãs practical performance in the classroom on placement.			
Re-assessment pattern:	No Re-assessment available			
Module teaching staff:	To be confirmed			

ID4442 Combined Research Project in Biology and Geology				
SCOTCAT Credits:	45	SCQF Level 10	**Semester**	Full Year
Academic year:	2019/0			
Availability restrictions:	Not automatically available to General Degree students			
Planned timetable:	To be arranged.			

This module provides an individual research project on a topic spanning the biological and geological sciences which allows the student to pursue in depth a topic of personal interest. The student works largely independently of supervision and has the opportunity to demonstrate individuality, initiative and enterprise. The project will be supported by advisors in both Biology and Geology. Skills of planning and executing research are learnt, as well as the ability to work independently, and present the results orally and in dissertation form (up to 10,000 words). (Guidelines for printing and binding dissertations can be found at: http://www.st-andrews.ac.uk/printanddesign/dissertation/)

Pre-requisite(s):	Admission to bsc honours programme in biology and geology
Learning and teaching methods of delivery:	**Weekly contact**: Individual supervision by member(s) of teaching staff
	Scheduled learning: 20 hours **Guided independent study:** 430 hours
Assessment pattern:	**As defined by QAA:** Written Examinations = 0%, Practical Examinations = 10%, Coursework = 90%
	As used by St Andrews: Research proposal = 5%, Oral Presentation = 10%, Dissertation = 85%
Re-assessment pattern:	No Re-assessment available
Module coordinator:	Dr T D Raub
Module teaching staff:	Dr T Raub

ID5059 Knowledge Discovery and Datamining				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	2
Academic year:	2019/0			
Availability restrictions:	Not automatically available to General Degree students			
Planned timetable:	11.00 am Mon (odd weeks), Wed and Fri			

Contemporary data collection can be automated and on a massive scale e.g. credit card transaction databases. Large databases potentially carry a wealth of important information that could inform business strategy, identify criminal activities, characterise network faults etc. These large scale problems may preclude the standard carefully constructed statistical models, necessitating highly automated approaches. This module covers many of the methods found under the banner of Datamining, building from a theoretical perspective but ultimately teaching practical application. Topics covered include: historical/philosophical perspectives, model selection algorithms and optimality measures, tree methods, bagging and boosting, neural nets, and classification in general. Practical applications build sought-after skills in programming (typically R, SAS or python).

Anti-requisite(s)	Null
Learning and teaching methods of delivery:	**Weekly contact**: Lectures, seminars, tutorials and practical classes.
	Scheduled learning: 35 hours **Guided independent study:** 115 hours
Assessment pattern:	**As defined by QAA:** Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%
Re-assessment pattern:	2-hour Written Examination = 60%, Existing Coursework = 40%
Module coordinator:	Dr C R Donovan
Module teaching staff:	Dr Carl Donovan, Team taught

ID4801 Human Rights, Poverty and Security				
SCOTCAT Credits:	30	SCQF Level 10	**Semester**	Both
Academic year:	2019/0			
There has recently been a move within political philosophy and international political theory to re-conceive severe poverty as a violation of human rights (with a consequent emphasis on responsibility, accountability, and abolition). This module will examine the new challenges to traditional understandings of human rights, and their implications for international social and political institutions. To explore how this debate manifests itself in the public culture and discourse, we will engage many textual sources, including promotional materials from human rights campaigns and documents from the United Nations and other international organisations, as well as other media including regular film screenings.				
Learning and teaching methods of delivery:	**Scheduled learning:** 0 hours		**Guided independent study:** 0 hours	
Assessment pattern:	**As defined by QAA:** Written Examinations = 0%, Practical Examinations = 0%, Coursework = 0%			
	As used by St Andrews: TBC			