InterDisciplinary (ID) Modules

ID1003 Great Ideas 1

SCOTCAT Credits:	20	SCQF Level 7	**Semester:**	2
Academic year:	2013/4			
Planned timetable:	1.00 pm Mon, 1.00 pm Tue, 1.00 pm 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.

Programme module type:	Available to any degree programme.	
Learning and teaching methods and delivery:	**Weekly contact**: 2 to 3 lectures and 1 tutorial.	
	Scheduled learning: 40 hours	**Guided independent study:** 160 hours
Assessment pattern:	**As defined by QAA:** Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%	
	As used by St Andrews: 3-hour Written Examination = 100%	
Module Co-ordinator:	TBC	

ID1004 Great Ideas 2

SCOTCAT Credits:	20	SCQF Level 7	**Semester:**	1
Academic year:	2013/4			
Planned timetable:	1.00 pm Mon, 1.00 pm Tue, 1.00 pm 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

Programme module type:	Available to any degree programme.	
Learning and teaching methods and delivery:	**Weekly contact**: 3 lectures and 1 tutorial.	
	Scheduled learning: 42 hours	**Guided independent study:** 158 hours
Assessment pattern:	**As defined by QAA:** Written Examinations = 100%, Practical Examinations = 0%, Coursework = 0%	
	As used by St Andrews: 3-hour Examination = 100%	
Module Co-ordinator:	Dr E Hart	

ID1005 IT in the Organisation

SCOTCAT Credits:	20	SCQF Level 7	**Semester:**	2
Academic year:	2013/4			
Planned timetable:	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.

Programme module type:	Available to any degree programme.	
Learning and teaching methods and delivery:	**Weekly contact**: 4 lectures and 1 tutorial.	
	Scheduled learning: 55 hours	**Guided independent study:** 145 hours
Assessment pattern:	**As defined by QAA:** Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%	
	As used by St Andrews: Coursework = 100%	
Module Co-ordinator:	first-is-coord-cs@st-andrews.ac.uk	

ID2003 Science Methods

SCOTCAT Credits:	10	SCQF Level 8	**Semester:**	1
Academic year:	2013/4			
Planned timetable:	1.00 pm Mon, 1.00 pm Tue, 4.00 pm Thu.			

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.

Programme module type:	Available to any degree programme.	
Learning and teaching methods and delivery:	**Weekly contact**: 2 lectures and 1 practical class.	
	Scheduled learning: 33 hours	**Guided independent study:** 67 hours
Assessment pattern:	**As defined by QAA:** Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%	
	As used by St Andrews: 1.5-hour Examination = 50%, Coursework = 50%	
Module Co-ordinator:	Dr C G M Paxton, Mathematics & Statistics	
Lecturer(s)/Tutor(s):	Dr C G M Paxton, Dr E Rexstad, Dr D Russell	