

Modules

InterDisciplinary (ID) Modules

ID1003 Great Ideas 1

Co-ordinator: Dr C Hooley, Physics & Astronomy, email: cah19

Credits: 20 Semester: 1

Description: 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.

Class Hour: 1.00 pm Monday, 1.00 pm Tuesday, 1.00 pm Thursday

Teaching: 3 lectures and 1 tutorial.

Assessment: 3-hour Examination = 100%

Re-Assessment: 3-hour Examination = 100%

ID1004 Great Ideas 2

Co-ordinator: Dr C Jones, English, email chris.jones

Credits: 20 Semester: 2

Description: 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

Class Hour: 1.00 pm Monday, 1.00 pm Tuesday, 1.00 pm Thursday

Teaching: 3 lectures and 1 tutorial.

Assessment: 3-hour Examination = 100%

Re-Assessment: 3-hour Examination = 100%

ID2003 Science Methods

Co-ordinator: Dr CGM Paxton, Mathematics & Statistics, email: cgp2

Credits: 10 Semester: 1

Description: 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 pseudoscience, the design of experiments, critical thinking, errors in reasoning, 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. Topics under consideration will include alternative medicine, young earth creationism and the development of heliocentric theory. The module is collaboratively taught by staff from a number of schools in the university providing a useful methodological background for all science students.

Class Hour: 1.00 pm Monday, 1.00 pm Tuesday, 4.00 pm Thursday

Teaching: 2 lectures and 1 practical class.

Assessment: Continuous Assessment = 50%, 1.5-hour Examination = 50%

Re-Assessment: 2-hour Examination = 100%

InterDisciplinary Modules – 1000 & 2000 Level 2011/12 – August 2011

ID2004 Science Ethics

Co-ordinator: Dr Morven Shearer, Biology, email: mcs6

Credits: 10 Semester: 2

Availability: Not available 2011-12

Description: Scientific advances have expanded the boundaries of our knowledge in ways unforeseen 50 years ago, but along with these advances new issues and dilemmas have been raised that had previously never been considered. How can we decide the 'right' thing to do? Are there forbidden questions or forbidden knowledge? Has science been misused? Is it right to create orresearch weapons of mass destruction? Should scientists cheat? In this module the importance and application of ethics within the current scientific and social climate will be addressed. Taught by staff from various Schools, students will learn how to reason and apply ethical theory in current debates such as scientific research, reproductive technologies, stem cells, nuclear proliferation, biodiversity and global warming. As this module is interdisciplinary, students from all Faculties are welcome and discussion and debate are encouraged.

Class Hour: 1.00 pm Monday, 1.00 pm Tuesday, 4.00 pm Thursday

Teaching: 2 lectures and 1 tutorial.

Assessment: Continuous Assessment = 50%, 1.5-hour Examination = 50%

Re-Assessment: Continuous Assessment = 50%, 1.5-hour Examination = 50%

Management (MN) Module

MN2112 Enterprise & Creativity

Co-ordinator: Bonnie Hacking, Student Enterprise Office, email: bonnie.hacking

Credits: 20 Semester: 1

Description: Enterprise and Creativity aims to give second year students from 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 a team to design and deliver an enterprising project. The success of the module relies on the students taking a proactive role in managing their learning. The delivery of 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 give students a life changing experience.

Class Hour: 1.00 pm Tuesday and 1.00 pm Thursday

Teaching: Lectures plus tutorials.

Assessment: Continuous Assessment = 60%, 2-hour Examination = 40%

Re-Assessment: 2-hour Examination = 100%

The details of the Honours modules – that is 3000-level and 4000-level modules – which relate to the programmes listed in this section, are available in the Honours Course Catalogue.