

## **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, 1.00pm Thursday.

Teaching: Three lectures and one 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, 1.00pm Thursday.

Teaching: Three lectures and one 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 pseudo-science, 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 science and the role of anomalies in science. Topics under consideration will include alternative medicines, 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, 4.00pm Thursday.

Teaching: Two lectures and one practical class.

Assessment: Continuous Assessment = 50%, One-and-a-half hour Examination = 50%

Re-Assessment: 2 Hour Examination = 100%

## **InterDisciplinary Modules – 1000 & 2000 Level 2010/11 – September 2010**

### **ID2004 Science Ethics**

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

Credits: 10 Semester: 2

Availability: Not available 2010-11

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: Two lectures and one tutorial.

Assessment: Continuous Assessment = 50%, One-and-a-half hour Examination = 50%

Re-Assessment: Continuous Assessment = 50%, One-and-a-half hour Examination = 50%

### **Management (MN) Module**

#### **MN2112 Enterprise and Creativity**

**Co-ordinator: Dr Ignacio Canales-Manns, Management, email: jic1**

Credits: 20 Semester: 1

Description: Creativity and Enterprise 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

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.**