

Modules

InterDisciplinary (ID) Modules

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, personal experience and science, the process of science and the role of anomalies in science. Case studies will include homeopathy, continental drift, autism and the MMR vaccination, (first) Gulf War Syndrome and the Loch Ness Monster. 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%

ID2004 Science Ethics

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

Credits: 10 Semester: 2

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%

InterDisciplinary Modules – 1000 & 2000 Level 2009/10 – August 2009

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.