

## InterDisciplinary Modules – 5000 Level Modules 2009/10 – August 2009

### **ID5005 Enterprise, Creativity and Innovation (10)**

Credits: 10 Semester: 1

Programme(s): ID5005 is a **Compulsory module** for M.Res. in Environmental Biology, M.Res. and in Environmental Biology Conversion for Mathematical, Physical and Molecular Sciences Postgraduate Taught Programmes.

**Optionally** available to all Postgraduate Taught Programmes, subject to approval of Course Director/Coordinator within individual Schools.

**Description:** In this module students will acquire a critical understanding of the concepts and theories that help to understand enterprise and the processes of entrepreneurship and leadership. Through these two elements students will enhance their ability to generate ideas through creative thinking and cognitive-mapping as well as understand the significance and protection of intellectual property rights. This will enable them to better instigate, facilitate and practice in a rigorous approach to entrepreneurship and executive creativity. Teaching media will include formal lectures, case study analysis, team-based workgroups and visiting speakers.

**Class Hour:** 2.00 – 5.00 pm Wednesday.

**Teaching:** One lecture and one seminar per week over 7 weeks.

**Assessment:** Continuous Assessment = 100%

### **ID5010 Geographic Information Systems for Social Research**

Credits: 15 Semester: 1

**Prerequisite:** A basic ability in computer skills (Basic word processing, spread sheet analysis) gained through SALTIRE if not demonstrated

**Anti-requisite:** GE5005, ID5011, ID5012

**Programme(s):** Optional module for Health Geography Research Taught Programme

**Description:** This module provides an introduction to Geographic Information systems and their use in health (and related) problem solving. The module will be taught through a series of lectures, tutorials, laboratory classes and individual projects. The module will be assessed through class exercises and the final individual project. Students will be introduced to methods of acquiring, storing, analysing and displaying (2D and 3D) spatial digital data using the ArcGIS data package. An introduction to data manipulation and statistical techniques on a variety of health examples will be given.

**Class Hour:** To be arranged.

**Teaching:** Lectures, practicals and occasional tutorials.

**Assessment:** Continuous Assessment = 50%, Short Project = 50%

### **ID5011 Geographic Information Systems for Environmental Management**

Credits: 15 Semester: 1

**Prerequisite:** A basic ability in computer skills (Basic word processing, spread sheet analysis) gained through SALTIRE if not demonstrated

**Anti-requisite:** GE5005, ID5010, ID5012

**Programme(s):** Optional module for Environmental Biology, Mathematics & Statistics, Economics, Management and Environmental History Taught Postgraduate Programmes.

**Description:** This module provides an introduction to Geographic Information systems and their use in environmental problem solving. The module will be taught through a series of lectures, tutorials, laboratory classes and individual projects. The module will be assessed through class exercises and the final, short individual project. Students will be introduced to methods of acquiring, storing, analysing and displaying (2D and 3D) spatial digital data using the ArcGIS data package. An introduction to data manipulation and statistical techniques on a variety of environmental examples will be given. The module is taught within the School of Geography & Geosciences but incorporates datasets and analysis techniques used in earth and environmental science, biology, archaeology, and mathematics.

**Class Hour:** To be arranged.

**Teaching:** Lectures, practicals and occasional tutorials.

**Assessment:** Continuous Assessment = 50%, Short Project = 50%

## **InterDisciplinary Modules – 5000 Level Modules 2009/10 – August 2009**

### **ID5012 Advanced Geographic Information Systems**

Credits:	20	Semester:	1
Prerequisite:	A basic ability in computer skills (Basic word processing, spread sheet analysis) gained through SALTIRE if not demonstrated		
Anti-requisite:	GE5005, ID5010, ID5011		
Programme(s):	Optional module for M.Res. in Environmental Biology Taught Postgraduate Programmes.		
Description:	This module provides an advanced training in Geographic Information Systems (GIS) and their use in environmental problem solving. The module will be taught through a series of lectures, tutorials, laboratory classes with emphasis on a final independent GIS project. The module will begin with an introduction to data storage and manipulation, basic analysis of 2D and 3D spatial digital data and methods of display and will conclude with database design and more advanced data analysis using ArcGIS. Assessment will be based on the class exercises and the final project. The module is taught within the School of Geography & Geosciences but incorporates datasets and analysis techniques used in earth science, biology, economics and management and mathematics.		
Class Hour:	To be arranged.		
Teaching:	Lectures, practicals and occasional tutorials.		
Assessment:	Continuous Assessment = 40%, Individual Project = 60%		

### **SS5101 Being a Social Scientist: Skills, Processes and Outcomes**

Credits:	15	Semester:	1
Programme(s):	Compulsory module for various M.Res. Programmes.		
Description:	This module focuses on developing students' specific research thinking and writing skills in a practically based way. Thus, the module will address the nature of being a research social scientist including exploring some of the ethical issues involved. The module will also consider selecting suitable research questions and framing these as appropriate for Masters and Ph.D. dissertations.		
Class Hour:	To be arranged		
Teaching:	3 hour lecture, fortnightly		
Assessment:	Continuous Assessment = 100%		

### **SS5102 Philosophy and Methodology of the Social Sciences**

Credits:	15	Semester:	1
Programme(s):	Compulsory module for various M.Res. Programmes		
Description:	Beginning with a discussion of the evolution of the social sciences, this module addresses central philosophical questions of social science including discussion of epistemological and methodological aspects of positivism and interpretivism.		
Class Hour;	To be arranged.		
Teaching:	Details to follow.		
Assessment:	Continuous Assessment = 100%		

### **SS5103 Qualitative methods in Social Research**

Credits:	15	Semester:	2
Programme(s)	Compulsory module for various M.Res. Programmes		
Description:	This module offers both a theoretical and practical introduction to qualitative research. The diversity of the approaches to qualitative research will be addressed but the focus of the module is primarily practical necessitating the active participation of students.		
Class Hour:	To be arranged		
Teaching:	2 hour, weekly		
Assessment:	Continuous Assessment = 100%		

## **InterDisciplinary Modules – 5000 Level Modules 2009/10 – August 2009**

### **SS5104 Quantitative Research in Social Science**

Credits:	15	Semester:	1
Programme(s)	Compulsory module for various M.Res. Programmes		
Description:	This module will cover basic concepts and approaches to quantitative research in the social sciences in order to provide students with the basic quantitative tools for collecting, organising and analysing data.		
Class Hour:	To be arranged		
Teaching:	Details to follow		
Assessment:	Continuous Assessment = 100%		

