

## Faculty of Earth Sciences and Geography (continued)

### M.PHIL. IN QUATERNARY SCIENCE

*All lectures to be delivered in the Department of Geography, at times to be arranged*

MICHAELMAS 2006	LENT 2007	EASTER 2007
<p><b>Core Lecture Course</b> <i>Introduction to the Quaternary</i> PROF. P. GIBBARD (One hour)</p> <p><i>Background to Quaternary</i> DR R. MULVANEY (Four hours)</p> <p><i>The terrestrial stratigraphical record</i> PROF. P. GIBBARD (Four hours)</p> <p><i>Quaternary of the Tropics: Overview</i> DR S. GRIFFITHS</p> <p><i>Marine and Ice-core Records of Climate Change: Stratigraphy and Proxies</i> DR L. SKINNER (Four hours)</p> <p><i>Sea level changes and coastal evolution</i> DR T. SPENCER (Four hours)</p> <p><i>Dating Quaternary events</i> DR V. R. SWITSUR (Two hours)</p> <p><i>The Holocene</i> DR C. TURNER (Two hours)</p> <p><i>Soil Development as a function of climate</i> DR C. V. JEANS (Two hours)</p> <p><i>Floral and Faunal Change</i> DR PREECE (Four hours)</p> <p><i>Glacial-interglacial and sub- Milankovitch climate variability: the marine and ice-core records</i> DR SKINNER (Two hours)</p> <p><i>Quaternary Research Methods</i> DR R. C. PREECE, DR S. BOREHAM, PROF. P. GIBBARD (Eight hour lectures, with practicals, one field excursion)</p> <p><i>Quaternary Research Seminar</i> PROF. P. GIBBARD (Sixteen hours)</p>	<p><b>Core Lecture Course</b> <i>Quaternary changes in the oceans</i> DR I. MCCAVE (Four hours)</p> <p><i>Terrestrial sedimentation</i> DR A. MOSCARIELLO (Four hours)</p> <p><b>OPTIONAL MODULES</b> <i>Quaternary landscapes</i> PROF. P. GIBBARD (Six hours) DR C. TURNER (Two hours) (two practicals, one field trip)</p> <p><i>Quaternary Palaeoecology</i> DR C. TURNER (Four hours) DR R. PREECE (Four hours)</p> <p><i>Palaeoceanography and climate change</i> PROF. I. MCCAVE AND DR ELDERFIELD (Sixteen hours)</p> <p><i>Human evolution and diversity</i> DR M. LAHR (Sixteen hours)</p> <p><i>Continental system evolution during the Quaternary</i> DR A. MOSCARIELLO (Sixteen hours)</p> <p><i>Atmospheric models</i> PROF. H. GRAF (Six hours)</p>	

Please see the Joint Schools Social Science Research Methods Course entry on (p. 244)

### M.PHIL IN G.I.S. AND REMOTE SENSING

*All lectures to be delivered in the Department of Geography, at times to be arranged*

<p><i>Fundamentals of IGIS</i> DR B. DEVEREUX, DR S. KEARSEY (Twelve hours)</p> <p><i>Physics of Remote Sensing</i> DR W. REES, DR C. OPPENHEIMER (Eight hours)</p> <p><i>High Resolution Molecular Spectroscopy (Optional course in Chemistry)</i> DR J. KEELER, PROF. J. KLINOWSKI (Ten hours)</p> <p><i>Image Processing</i> DR B. DEVEREUX, DR G. AMABLE (Eight hours and practicals)</p> <p><i>Spatial data analysis</i> PROF. R. P. HAINING, DR J. LAW (Ten hours, four practicals)</p> <p><i>Cartography and Design</i> DR W. REES, MR P. STICKLER (Two hours, two practicals)</p> <p><i>Environmental Impact Analysis</i> DR B. DEVEREUX (Eight hours and practicals, field class and student presentations)</p>	<p><i>Theory of Image Processing and Image Coding (Optional course in Engineering)</i> DR N. KINGSBURY, DR J. LASENBY (Sixteen hours)</p> <p><i>Field Techniques</i> MR A. WILSON, DR J. BRASINGTON, DR C. OPPENHEIMER, DR C. SHELL (Four hours, four practicals)</p> <p><i>Airborne remote sensing</i> DR A. K. WILSON, DR B. J. DEVEREUX, DR G. AMABLE (Eight hours and practicals)</p> <p><i>Cryospheric Remote Sensing</i> DR W. REES (Four hours)</p> <p><i>Volcanological Remote Sensing</i> DR C. OPPENHEIMER (Two hours, two practicals)</p> <p><i>Cartography and Design</i> DR W. REES, MR P. STICKLER (Two hours, two practicals)</p> <p><i>Passive Microwave Radiometry</i> DR K. SALEH-CONTELL (Two hours and practicals)</p>	
--	--	--

## Faculty of Earth Sciences and Geography (continued)

## M.PHIL IN G.I.S. AND REMOTE SENSING (continued)

MICHAELMAS 2006

LENT 2007

EASTER 2007

*Atmospheric Models (also for MPhil QS)*  
PROF. H. GRAF (Three hours)

*Modelling Socio-Economic Data*  
PROF. R. HAINING, DR J. LAW (Six hours, two practicals)

*Modelling Environmental Change*  
DR F. GERARD, DR G. SMITH (Four hours, two practicals)

*Biodiversity and Terrestrial Ecology*  
DR F. GERARD, DR R. HILL AND DR B. DEVEREUX  
(Four hours, two practicals)

*Coastal Environments*  
DR G. SMITH, DR T. SPENCER, DR R. HILL (Four hours and practicals)

*Cultural Landscapes and Historic Environment*  
DR C. SHELL (Four hours, one field class)

Please see the Joint Schools Social Science Research Methods Course entry on (p. 244)

## M.PHIL IN GEOGRAPHICAL RESEARCH

*All lectures to be delivered in the Department of Geography, at times to be arranged*

**Option 1: GIS and Remote Sensing**

DR G. AMABLE  
DR B. J. DEVEREUX  
PROF. R. P. HAINING  
DR S. KEARSEY  
DR J. LAW  
DR W. REES

**Option 2: Environment and Development**

PROF. W. ADAMS  
DR T. BAYLISS-SMITH  
DR E. MAWDSLEY  
PROF. S. OWENS  
DR S. RADCLIFFE  
DR P. VITEBSKY  
DR B. VIRIA  
DR E. WATSON

**Option 3: Regional Political Economy**

PROF. R. J. BENNETT  
DR A. JAMES  
PROF. R. MARTIN  
DR M. WARRINGTON

**Option 4: Culture, history, space and place**

DR P. HOWELL  
PROF. R. M. SMITH

**Research Methods**

*The course provided by the Joint Schools Social Science Research Methods Course*

**Research Training**

DR T. BAYLISS-SMITH  
PROF. R. J. BENNETT  
DR M. BITHEL  
DR P. GIBBARD  
DR A. JAMES  
PROF. K. S. RICHARDS  
MR R. CARTER  
DR M. WARRINGTON

**Dissertation**

*Supervised by individual staff members*

**Option 1: GIS and Remote Sensing**

DR G. AMABLE  
DR B. J. DEVEREUX  
PROF. H. GRAF  
PROF. R. P. HAINING  
DR S. KEARSEY  
DR J. LAW  
DR C. OPPENHEIMER  
DR C. SHELL  
DR W. REES

**Option 2: Environment and Development**

PROF. W. ADAMS  
DR T. BAYLISS-SMITH  
DR J. HUTTON  
DR W. SMITH  
DR E. WATSON

**Option 3: Regional Political Economy**

DR A. JAMES  
PROF. R. MARTIN  
DR M. WARRINGTON

**Option 4: Culture, history, space and place**

DR M. BRAVO  
DR P. HOWELL  
PROF. R. M. SMITH

**Research Methods**

*The course provided by the Joint Schools Social Science Research Methods Course*

**Research Training**

PROF. W. ADAMS  
DR B. DEVEREUX  
DR J. DOWDESWELL  
DR J. DUNCAN  
DR M. GRAY  
DR P. HOWELL  
DR G. KEARNS  
PROF. K. RICHARDS  
DR T. SPENCER  
DR E. WATSON  
DR M. WARRINGTON

**Dissertation**

*Supervised by individual staff members*

**Dissertation**

*Supervised by individual staff members*

Please see the Joint Schools Social Science Research Methods Course entry on (p. 244)