

## Lectures proposed by the Board of the Faculty of Earth Sciences and Geography

For particulars of the University Composition Fee and of the fees payable for attendance at separate courses of lectures see p. 2.

*Lectures will be delivered in the Department of Geography, unless otherwise stated. A detailed timetable will be displayed in the Department.*

### GEOGRAPHICAL TRIPOS, PART IA

MICHAELMAS 1998

LENT 1999

EASTER 1999

#### First year: for students intending to take IA in 1998-99

##### Paper 1. Geographical Ideas and Methods

The History and Philosophy of Geography  
DR R. E. GLASSCOCK (Seven lectures)  
DR T. SPENCER (One lecture)

DR N. S. ARNOLD  
Introduction: Course Aims and Structure (One lecture)  
The Production and Representation of Geographical Data (One lecture)

DR N. S. ARNOLD, MISS C. NORTHEAST AND DEMONSTRATORS  
Basic Skills Training Courses (Six practicals)

DR I. C. WILLIS  
The Shape and Structure of Geographical Data (Five theory and five practicals)

MR P. STICKLER  
Cartographic Skills (One lecture and one practical)

DR I. C. WILLIS  
Producing a Report (One lecture)

##### Specific Projects

DR B. J. DEVEREUX  
Remote Sensing of agricultural productivity in Cambridgeshire (Two lectures)

DR I. C. WILLIS  
Dry valley morphology and pedogenesis: evaluation of controls upon slopes and soil characteristics (Two lectures)

##### Practical Exercises

Demonstrators (Sixteen hours)

##### Field Class

DR R. E. GLASSCOCK  
Visit to Aerial Photography (half day)

##### Paper 2. Contemporary Human Geography

The Restructuring of the Modern World  
DR S. A. RADCLIFFE (Four lectures)  
DR M. GRAY (Four lectures)

##### Paper 3. Historical Geography

Introduction to Historical Geography: Aspects of the Historical Geography of Europe after 1492  
DR P. M. R. HOWELL (Four lectures)  
DR R. E. GLASSCOCK (Six lectures)

##### Paper 4. Environment and Resources

##### Paper 5. Physical Geography

PROF. K. S. RICHARDS (One lecture)  
DR N. S. ARNOLD (Three lectures)  
DR C. OPPENHEIMER (Two lectures)  
DR P. L. GIBBARD (One lecture)  
DR T. SPENCER (One lecture)

DR G. E. SMITH (One lecture)  
DR M. D. BILLING (One lecture)  
DR A. R. H. BAKER (One lecture)  
DR P. M. W. HOWELL (One lecture)  
DR J. S. DUNCAN (One lecture)  
DR R. L. MARTIN (One lecture)  
DR S. E. CORBRIDGE (One lecture)

DR N. S. ARNOLD  
The same continued (Four theory and four practicals)

##### Specific Projects

DR P. M. R. HOWELL  
Moral and Immoral Geographies: Urban Growth and Social Reform in nineteenth century London (Two lectures)

DR M. GRAY  
Increasing use of alternative forms of Transportation (Two lectures)

DR L. M. McDOWELL (Eight lectures)

DR R. MAYHEW (Six lectures)  
PROF. R. A. BUTLIN (Six lectures)

DR S. E. OWENS (Four lectures)  
DR B. VIRA (Four lectures)

DR T. SPENCER (Three lectures)  
DR H. D. ALLEN (Three lectures)  
DR S. T. TRUDGILL (Three lectures)

DR L. M. McDOWELL (Two lectures)

##### Field classes

DR R. E. GLASSCOCK AND DR P. M. R. HOWELL  
Fenland (One day)  
Suffolk (One day)

DR T. P. BAYLISS-SMITH (Four lectures)  
DR S. N. LANE (Four lectures)

PROF. K. S. RICHARDS (Two lectures)  
DR I. C. WILLIS (Two lectures)

**Faculty of Earth Sciences and Geography (continued)****GEOGRAPHICAL TRIPOS, PART I B**

MICHAELMAS 1998

LENT 1999

EASTER 1999

**Second year: for students intending to take Part Ib in 1998****Submitted Work****Open Book: Geographical Ideas and Methods and Special Topics****I. Geographical Ideas**

PROF. K. S. RICHARDS (Two lectures)  
 DR A. C. HUDSON (Two lectures)  
 DR J. S. DUNCAN (Two lectures)  
 DR A. R. H. BAKER (Two lectures)

**II. Multivariate Methods in Geographical Research**

DR N. S. ARNOLD AND DR R. L. MARTIN  
 (Eight lectures and eight laboratory classes)

**III. Practical Methods in Geographical Research: Special Projects Options**

DR I. C. WILLIS  
 An Introduction to Environmental Modelling  
 (Six lectures)  
 DR C. M. OPPENHEIMER  
 Remote Sensing and Image Interpretation: A  
 Volcanological Case Study (Six lectures)  
 DR N. S. ARNOLD AND DR R. L. MARTIN  
 Multivariate Statistics (Six lectures)  
 MR A. FREEMAN  
 Analysing Spatial Data with Database, Spreadsheet  
 and Mapping Package Software: Control of  
 User-Costs of Housing (Six lectures)

**III. Practical Methods in Geographical  
 Research: Special Project Options**  
 DR S. T. TRUDGILL  
 Field and Laboratory Procedures in  
 Water Quality Analysis (Six lectures)  
 DR R. E. GLASSCOCK  
 Geographical Interpretations of some  
 Historical Sources (Six lectures)  
 DR L. M. McDOWELL  
 Qualitative and Ethnographic Methods  
 (Six lectures)  
 DR P. L. GIBBARD  
 Field Description and Interpretation of  
 Sedimentary Deposits (Six lectures)

**IV. Research Design:**

**A. Designing Dissertations**  
 DR T. SPENCER (One lecture)  
 DR L. M. McDOWELL (One lecture)  
 DR M. D. BILLINGE (One lecture)  
 DR C. M. OPPENHEIMER (One lecture)  
**B. Doing field projects in The Mediterranean**  
 DR C. M. OPPENHEIMER (One lecture)  
 DR T. SPENCER (One lecture)  
 DR R. E. GLASSCOCK (One lecture)  
 DR S. E. OWENS (One lecture)

**V. Residential Field Classes**

(i) DR C. M. OPPENHEIMER AND DR S. N. LANE  
 Aeolian Islands (One week)  
 (ii) DR R. E. GLASSCOCK AND DR S. E. OWENS  
 Malta (one week)  
 (iii) DR M. D. BILLINGE AND DR T. SPENCER  
 Rhodes/Cyprus – venue to be confirmed  
 (One week)

**1. Economic Geography**

DR R. L. MARTIN (Two lectures)  
 DR M. GRAY (Six lectures)

**Paper 2. The State, Politics and Space**

DR G. E. SMITH (Eight lectures)

**Paper 3. Comparative Urbanization**

DR J. S. DUNCAN AND DR S. KUMAR (Eight lectures)

**Paper 4. The Geography of Developing Countries**

DR S. E. CORBRIDGE (Four lectures)  
 MR B. VIRA (Four lectures)

**Paper 5. The Geography of a Prescribed Area: Melanesia**

DR T. P. BAYLISS-SMITH (Twelve lectures)

**Paper 6. The Historical Geography of Urbanism**

DR R. E. GLASSCOCK (Eight lectures)

**Paper 7. The Historical Geography of North America**

DR P. M. R. HOWELL (Eight lectures)

**Paper 8. Environmental Problems: Science and Policy**

DR S. E. OWENS (Three lectures)  
 DR B. W. BACHE (Eight lectures)

DR R. L. MARTIN (Two lectures)  
 DR A. C. HUDSON (Six lectures)

DR G. E. SMITH (Eight lectures)

DR J. S. DUNCAN AND DR S. KUMAR  
 (Eight lectures)

MS K. EDWARDS (Eight lectures)

DR T. P. BAYLISS-SMITH (Four lectures)

DR M. D. BILLINGE (Eight lectures)  
 DR A. R. H. BAKER (Four lectures)

DR A. R. H. BAKER (Four lectures)  
 DR J. S. DUNCAN (Four lectures)

MS H. BULKELEY (Four lectures)  
 DR S. E. OWENS (Three lectures)

## Faculty of Earth Sciences and Geography (continued)

## GEOGRAPHICAL TRIPOS, PART 1B (continued)

MICHAELMAS 1998

LENT 1999

EASTER 1999

**Paper 9. Biogeography**DR S. T. TRUDGILL (Six lectures)  
DR R. EVANS (Two lectures)**Paper 10. Process Geomorphology**PROF. K. S. RICHARDS (Six lectures and seminars)  
DR S. T. TRUDGILL (Six lectures)  
DR R. EVANS (Two lectures)**Paper 11. Landforms and Environmental Change**DR C. M. OPPENHEIMER (Six lectures)  
DR I. C. WILLIS (Six lectures)DR S. DOOLAN (Six lectures)  
DR R. E. RANDALL (Two lectures)DR T. SPENCER AND DR I. MÖLLER (Four lectures,  
a seminar and a practical)PROF. K. S. RICHARDS (Four lectures)  
DR H. D. ALLEN (Four lectures)DR T. P. BAYLISS-SMITH (Two lectures and field  
trips)

PROF. K. S. RICHARDS (Two lectures)

## GEOGRAPHICAL TRIPOS, PART II

## Third year: for students intending to take Part II in 1999

**Paper 1. Human Geography I:  
Social Geography**

DR J. S. DUNCAN (Eight lectures)

DR J. S. DUNCAN (Eight lectures)

**Paper 2. Human Geography II:  
The Restructuring of Britain**DR R. L. MARTIN (Six lectures)  
DR D. E. KEEBLE (Two lectures)DR R. L. MARTIN (Six lectures)  
DR M. WARRINGTON (Two lectures)

DR R. L. MARTIN (Group discussion)

**Paper 3. A Prescribed Topic or Topics in Geography I:  
Urban Problems, Planning and Policy**DR M. GRAY (Four lectures)  
DR D. E. KEEBLE (Four lectures)DR M. WARRINGTON (Four lectures)  
DR S. E. OWENS (Two lectures)  
DR S. E. OWENS  
Urban Transport Workshop (Two hours)**Paper 4. A Prescribed Topic or Topics in Geography II:  
The Changing Geography of the Global Political Economy**

DR A. C. HUDSON (Eight lectures)

DR A. C. HUDSON (Eight lectures)

**Paper 5. The Geography of a Prescribed Area or Areas I:  
The Post-Soviet States in Transition**

DR G. E. SMITH (Eight lectures)

DR G. E. SMITH (Eight lectures)

**Paper 6. The Geography of a Prescribed Area or Areas II:  
The Human Geography of Latin America**

DR S. A. RADCLIFFE (Eight lectures)

DR S. A. RADCLIFFE (Ten lectures)

**Paper 7. Historical Geography I:  
The Geography of Medieval Britain**

DR R. E. GLASSCOCK (Eight lectures)

DR R. E. GLASSCOCK (Eight lectures)

**Paper 8. Historical Geography II:  
The Geography of Britain during the Industrial Revolution**

DR P. M. R. HOWELL (Eight lectures)

DR P. M. R. HOWELL (Eight lectures)

DR P. M. R. HOWELL (Four lectures)

**Paper 9. The Prescribed Topic or Topics in Geography III:  
The Geography of France 1815–1939**

DR A. R. H. BAKER (Eight lectures)

DR A. R. H. BAKER (Six lectures)

DR A. R. H. BAKER (Two lectures)

**Paper 10. A Prescribed Topic or Topics in Geography IV:  
Aspects of Cultural Analysis, with special reference to  
Western Europe after 1700**

DR M. D. BILLINGE (Eight lectures)

DR M. D. BILLINGE (Eight lectures)

DR M. D. BILLINGE (Four lectures)

**Paper 11. A Prescribed Topic or Topics in Environmental  
Geography: Environment and Conservation**

DR S. E. OWENS (Eight lectures)

DR S. E. OWENS (Eight lectures)

**Paper 12. Physical Geography I:  
Fluvial Processes and the Landscape**

PROF. K. S. RICHARDS (Eight lectures)

PROF. K. S. RICHARDS (Two lectures)  
DR P. L. GIBBARD (Four lectures)  
DR F. M. R. HUGHES (Four lectures)

**Faculty of Earth Sciences and Geography (continued)****GEOGRAPHICAL TRIPOS, PART II (continued)**

MICHAELMAS 1998

LENT 1999

EASTER 1999

**Paper 13. Physical Geography II:****Polar and Glacial Studies**

DR I. C. WILLIS (Eight lectures)

**Paper 14. A Prescribed Topic or Topics in Geography V:****Biogeography and Environmental Management**

DR S. T. TRUDGILL (Five lectures)

MS E. O'BEIRNE-RANELAGH (One lecture)

DR B. VIRA (Two lectures)

**Paper 15. A Prescribed Topic or Topics in Geography VI:****Quaternary Environments**

DR P. L. GIBBARD (Three lectures)

DR P. C. TZEDAKIS (One lecture)

PROF. SIR N. J. SHACKLETON (Two lectures and practical)

DR R. C. PREECE (Two lectures)

DR C. TURNER (Field excursion)

DR N. S. ARNOLD (Eight lectures)

DR B. VIRA (Two lectures)

DR R. E. RANDALL (Two lectures)

DR T. WHITMORE (Four lectures)

DR P. L. GIBBARD (Four lectures and one/two field  
excursions)

DR P. C. TZEDAKIS (Three lectures)

DR C. TURNER (One lecture and practical)

DR P. WADHAMS (Four lectures)

DR S. T. TRUDGILL (Five lectures)

DR T. P. BAYLISS-SMITH (Three lectures)

## Faculty of Earth Sciences and Geography (continued)

### M.PHIL. IN ENVIRONMENT AND DEVELOPMENT

MICHAELMAS 1998

LENT 1999

EASTER 1999

**Paper 1. Development and the Global Environment**

*Science, Environment and Development*  
DR S. TRUDGILL (Sixteen hours)

*Economics of the Environment*  
DR B. VIRA (Twelve hours)

*Population and Resources*  
DR S. E. CORBRIDGE (Eight hours)

*Culture, Society and Development*  
DR S. A. RADCLIFFE (Twelve hours)

*Environment and Development in the International Political Economy*  
DR A. C. HUDSON (Eight hours)

*Environment Policy: theory*  
DR S. E. OWENS (Four hours)

*Environment Policy: Enforcement*  
DR B. VIRA (Four hours)

Seminars

**Graduate Training Programme**

Details to be announced (Sixteen hours)

In addition, M.Phil. in Environment and Development students may choose to take a maximum of two taught modules from those offered by the M.Phil. in GIS and Remote Sensing, subject to approval by the Course Director of the M.Phil. in Environment and Development, after consultation with the Course Director of the M.Phil. in GIS and Remote Sensing.

**Optional Modules**

Each module will comprise a mixture of lectures, seminars and practical exercises

*Rural Development: Gender and Development*  
DR S. A. RADCLIFFE

*Environmental Economics*  
DR B. VIRA

*River Basin Management*  
PROF. K. S. RICHARDS

*Climate Change: a New Politics of Pollution?*  
MS H. BULKELEY

*Third World Urbanisation and Sustainable Development*  
DR S. KUMAR

*Priorities and Practice in Biodiversity Conservation*  
DR S. DOOLAN

*Soil, Landuse and Sustainability (includes fieldtrip)*  
DR S. TRUDGILL

*Development and the Historical Legacy of Colonialism*  
DR J. DUNCAN

**Graduate Training Programme:**

Specific Methods for E and D Research  
Details to be announced

In addition, M.Phil. in Environment and Development students may choose to take a maximum of two taught modules from those offered by the M.Phil. in GIS and Remote Sensing, subject to approval by the Course Director of the M.Phil. in Environment and Development, after consultation with the Course Director of the M.Phil. in GIS and Remote Sensing.

## Faculty of Earth Sciences and Geography (continued)

### M.PHIL. IN GEOGRAPHICAL INFORMATION SYSTEMS AND REMOTE SENSING

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

| MICHAELMAS 1998   | LENT 1999   | EASTER 1999 |
|---|---|-------------|
| DR B. J. DEVEREUX<br>Building a GIS (Eight lectures and eight practicals)<br>DR S. KEARSEY<br>Computer Data Structures and Graphics (Eight lectures)<br>DR C. OPPENHEIMER<br>Principles of Remote Sensing and Digital Image Processing (Eight lectures and eight practicals)<br>DR W. G. REES<br>Global Climate and Environment Change (Eight lectures)<br>DR B. J. DEVEREUX AND A. N. OTHER<br>Basic statistics for GIS and Remote Sensing (Eight lectures and eight practical classes)<br>DR B. J. DEVEREUX<br>Environmental Impact Evaluation (Eight lectures and four practicals; one field trip) | MR R. M. FULLER AND DR B. J. DEVEREUX<br>Ecological Research (Twelve lectures and associated field visits)<br>PROF. P. DALE<br>Government, Planning and Utilities (Eight lectures)<br>DR C. SHELL<br>Archaeological Remote Sensing and Cultural Resource Management (Eight lectures)<br>DR B. J. DEVEREUX<br>Digital Terrain Models (Three lectures and one practical)<br>DR S. KEARSEY AND DR B. J. DEVEREUX<br>Programming Techniques for GIS and Image Analysis (Eight lectures and eight practicals, one field trip)<br>DR E. GREEN<br>Remote Sensing for Coastal Zone Management (Eight lectures and practicals)<br>DR C. OPPENHEIMER, DR N. MITCHELL, DR J. JACKSON AND DR N. F. STEVENS<br>Geological Remote Sensing (Eight lectures and two practicals)<br>DR C. OPPENHEIMER, DR M. BURTON AND MR M. WATSON<br>Remote Sensing of the Atmosphere (Eight lectures and demonstrations) |             |

### Scott Polar Research Institute

#### M.PHIL. (one-year course) IN POLAR STUDIES

About 60 seminars on a wide range of polar topics (environment, history, peoples, development, resources, administration), and addressed by many outside specialists, are held at the Scott Polar Research Institute in the Michaelmas and Lent Terms for those taking the M.Phil. in Polar Studies. Other graduate students who wish to attend any of these seminars should get in touch with the Course Director at the Institute, who will provide full details.

#### ARCTIC SOCIAL SCIENCE SEMINARS

##### **Arctic social sciences and Russian northern studies:**

Visitors from North America, Scandinavia and Russia frequently give seminars at short notice. Please contact the Director at the Institute if you would like to be kept informed.

## Faculty of Earth Sciences and Geography (continued)

### SATURDAY EVENING LECTURES

With the exception of John Heap's lecture on 21 November which will be held at 5.00 p.m., all lectures are at 8.00 p.m. in the Scott Polar Research Institute, Lensfield Road. They are open to all who are interested, and seats will be reserved, on request, for "Friends of the Institute".

24 Oct. ROBERT HEADLAND, Scott Polar Research Institute  
Polar Centenary Lecture Series No. 1  
A century ago: the first winter on Antarctica. The Southern Cross Expedition, 1898-1900  
Led by Carsten Borchgrevink, this expedition was the first of the "Heroic Era" Antarctic expeditions from Britain and first to winter on the Antarctic continent. The Polar Centenary Lecture Series will celebrate the achievement of "Heroic Era" expeditions culminating in those of Scott and Shackleton. A '*Southern Cross*' calendar will be available for sale at the lecture, the first of a *Polar Calendar* series.

7 Nov. CHRIS FURSE, British Schools Exploring Society  
Shackleton and Elephant Island  
As leader of the Joint Services Expedition to Elephant Island (1976-77), the speaker will give an illustrated lecture on this little visited island group and discuss its role in Shackleton's *Endurance* expedition (1914-17).

21 Nov. Celebrating the opening of the Shackleton Memorial Library  
3 p.m. South  
A rare showing of Frank Hurley's original film of Shackleton's *Endurance* expedition (1914-17) introduced by Robert Headland, Scott Polar Research Institute.

5 p.m. JOHN HEAP, Scott Polar Research Institute  
Shackleton, Manning and Shackleton: reflections on how the Shackleton Memorial Library became a reality.

PLEASE NOTE: This lecture will be followed by the AGM of the Friends of the Institute and a buffet. All are welcome to the film and lecture but Friends only should attend the AGM and buffet. Friends will also be welcome to visit the new library after the showing of South.

5 Dec. ARNOLDUS BLIX, University of Tromsø  
Survival strategies in mammals and birds at 80 degrees north  
Based on extensive research in Svalbard, the speaker will explain and illustrate how species adapt to the intense cold and austere nutritional conditions experienced during more than two months of polar night.