

## 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

MICHAELMAS 2000

LENT 2001

EASTER 2001

#### PART IA

First year: for students intending to take Part IA in 2000–2001

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

The History and Philosophy of Geography

DR R. E. GLASSCOCK

(Eight lectures)

DR N. S. ARNOLD

Introduction: Course Aims and Structure (One lecture)

The Projection and Representation of Geographical Data (One lecture)

DR N. A. ARNOLD

Basic Skills Training Course (Eight practicals)

DR I. C. WILLIS

The Shape and Structure of Geographical Data

(Five theory and five practicals)

DR I. C. WILLIS

Producing a Report (One lecture)

##### Specific Projects

DR I. C. WILLIS

Dry Valley Morphology and Pedogenesis: Evaluation of Controls upon slope and Soil Characteristics (Two lectures)

DR B. J. DEVEREUX

Remote Sensing of Agricultural Productivity in Cambridgeshire (Two lectures)

##### Paper 2. Contemporary Human Geography

DR S. A. RADCLIFFE (Four lectures)

DR M. GRAY (Four lectures)

##### Paper 3. Historical Geography

Introduction to Historical Geography: Aspects of the

History Geography of Europe

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

DR M. D. BILLINGE (Six lectures)

##### Paper 4. Environment and Resources

DR T. BAYLISS-SMITH (Eight lectures)

##### Paper 5. Physical Geography

DR T. SPENCER (Four lectures)

DR C. M. OPPENHEIMER (Two lectures)

DR P. L. GIBBARD (One lecture)

DR T. SPENCER (One lecture)

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

DR M. D. BILLINGE (One lecture)

DR A. R. H. BAKER (One lecture)

DR G. KEARNS (One lecture)

DR R. L. MARTIN (One lecture)

DR R. E. GLASSCOCK (One lecture)

PROF. A. D. CLIFF

The same continued (Four theory and four practicals)

DR P. J. STICKLER

Cartographic Skills (One lecture and one practical)

##### Specific Projects

PROF. A. D. CLIFF

Geographical Scale Effects in Patterns of Measles Incidence in the United States (Two lectures)

DR P. M. R. HOWELL

The Historical Geography of Imperial Dublin (Two lectures)

DR M. WARRINGTON (Four lectures)

DR B. PARRY (Four lectures)

DR B. PARRY (Four lectures)

DR R. E. GLASSCOCK (Six lectures)

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

##### Field Classes

DR R. E. GLASSCOCK AND DR P. M. R. HOWELL

Fenland (One day)

Suffolk (One day)

DR S. E. OWENS (Three lectures)

DR S. T. TRUDGILL (Three lectures)

PROF. K. S. RICHARDS (Two lectures)

DR B. VIRA (Four lectures)

A. N. OTHER (Two lectures)

DR T. SPENCER (One lecture)

DR H. D. ALLEN (Three lectures)

DR I. C. WILLIS (Two lectures)

## Faculty of Earth Sciences and Geography (continued)

## GEOGRAPHICAL TRIPOS, PART IB

MICHAELMAS 2000

LENT 2001

EASTER 2001

## Second year: for students intending to take Part IB in 2000–2001

**Submitted Work****Open Book: Geographical Ideas and Methods and Special Topics**

## I. Geographical Ideas

PROF. K. S. RICHARDS (Two lectures)

DR M. T. BRAVO (Two lectures)

DR R. L. MARTIN (Two lectures)

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

## II. Multivariate Methods in Geographical Research

DR N. S. ARNOLD (Eight lectures and eight laboratory classes)

## III. Practical Methods in Geographical Research:

**Special Projects Options**

DR S. TRUDGILL

Field and Laboratory Procedures in Water Quality Analysis (Six lectures)

DR M. D. BILLINGE

Geographical Interpretation of some Historical Sources (Six lectures)

DR S. A. RADCLIFFE

Qualitative and Ethnographic Methods (Six lectures)

## III. Practical Methods in Geographical Research:

**Special Projects Options**

DR P. L. GIBBARD

Field Description and Interpretation of Sedimentary Deposits (Six lectures)

DR J. BRASINGTON

An Introduction to Environmental Modelling (Six lectures)

A. N. OTHER

Remote Sensing and Image Interpretation (Six lectures)

DR N. S. ARNOLD

Multivariate Methods in Geographical Research (Six lectures)

PROF. R. HAINING

An Introduction to Environmental Criminology (Six lectures)

## IV. Research Design:

## A. Designing Dissertations

DR P. M. R. HOWELL (One lecture)

DR M. GRAY (One lecture)

DR M. D. BILLINGE (One lecture)

DR J. BRASINGTON (One lecture)

## B. An Introduction to the Mediterranean

DR T. SPENCER (Two lectures)

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

## V. Residential Field Classes:

(i) PROF. R. J. BENNET, PROF. K. S. RICHARDS

AND DR E. E. WATSON

The Algarve (One week)

(ii) DR N. S. ARNOLD, DR S. A. RADCLIFFE

AND DR S. T. TRUDGILL

SE Spain (One week)

(iii) DR M. D. BILLINGE AND DR T. SPENCER

Southern Greece/Crete (to be confirmed)

**Paper 1. Economic Geography**

DR R. L. MARTIN (Four lectures)

DR M. GRAY (Four lectures)

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

DR A. R. INGRAM (Eight lectures)

**Paper 3. Comparative Urbanization**

DR G. KEARNS AND MR D. LAMBERT (Eight lectures)

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

DR E. WATSON (Five lectures)

DR B. VIRA (Three lectures)

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

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

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

DR R. E. GLASSCOCK (Eight lectures)

DR R. L. MARTIN (Four lectures)

DR M. GRAY (Four lectures)

DR A. R. INGRAM (Eight lectures)

DR G. KEARNS AND MR D. LAMBERT  
(Eight lectures)

DR E. WATSON (Six lectures)

DR B. VIRA (Three lectures)

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

DR M. D. BILLINGE (Eight lectures)

DR G. KEARNS (Four lectures)

DR G. KEARNS AND MR D. LAMBERT  
(Two lectures)

DR D. LOW-BEER (Two lectures)

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

## Faculty of Earth Sciences and Geography (continued)

### GEOGRAPHICAL TRIPOS, PART I<sub>B</sub> (continued) AND PART II

MICHAELMAS 2000

LENT 2001

EASTER 2001

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

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

DR A. R. H. BAKER (Four lectures)  
MS L. CAMERON (Two lectures)

DR J. S. DUNCAN (Four lectures)

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

DR H. BULKELEY (Eight lectures)

PROF. S. N. LANE (Eight lectures)

**Paper 9. Biogeography**DR S. T. TRUDGILL (Six lectures)  
DR R. EVANS (Two lectures)DR F. M. R. HUGHES (Four lectures)  
DR R. E. RANDALL (Four lectures)

DR R. E. RANDALL (Two field trips)

**Paper 10. Process Geomorphology**DR S. T. TRUDGILL (Four lectures)  
PROF. K. S. RICHARDS (Four lectures and four seminars)  
DR R. EVANS (Two lectures)DR T. SPENCER AND DR I. MÖLLER  
(Eight lectures, seminar and practical)**Paper 11. Landforms and Environmental Change**DR N. HOVIUS (Two lectures)  
DR C. M. OPPENHEIMER (Four lectures)  
DR I. C. WILLIS (Two lectures)DR H. D. ALLEN (Four lectures)  
DR I. C. WILLIS (Four lectures)

DR J. BRASINGTON (Two lectures)

**Long Vacation 2000 – Field Class**DR G. KEARNS AND DR P. M. R. HOWELL  
Historical and cultural geography trip to  
Dublin – a specialist class for ten  
students – one week.

## PART II

**Third year: for students intending to take Part II in 2000–2001**

**Paper 1. Human Geography I:  
The Restructuring of Britain**DR R. L. MARTIN  
(Six lectures and one group discussion)  
DR D. E. KEEBLE (Two lectures)DR R. L. MARTIN  
(Six lectures and one group discussion)  
DR M. WARRINGTON (Two lectures)DR R. L. MARTIN  
(Two lectures and one group discussion)**Paper 2. Human Geography II:  
Urban Problems, Planning and Policy**DR D. E. KEEBLE (Four lectures)  
DR M. WARRINGTON (Two lectures)DR M. GRAY (Four lectures)  
PROF. P. GOODWIN (Four lectures)

Workshop: Housing and Planning (One day)

**Paper 3. A Prescribed Topic or Topics in Geography I:  
Spatial Diffusion**

PROF. A. D. CLIFF (Ten lectures)

DR D. LOW-BEER (Six lectures)

**Paper 4. A Prescribed Topic or Topics in Geography II:  
The Human Geography of Latin America**

DR S. A. RADCLIFFE (Nine lectures)

DR S. A. RADCLIFFE (Nine lectures)

**Paper 5. The Geography of a Prescribed Area or Areas I:  
The Geography of Africa**

DR W. M. ADAMS (Eight lectures)

DR D. BROCKINGTON (Eight lectures)  
DR E. E. WATSON (Four lectures)**Paper 6. The Geography of a Prescribed Area or Areas II:  
The Geography of the Post-Soviet States in Transition**

DR A. R. INGRAM (Six lectures)

MS A. BOHR (Two lectures)  
DR M. BRADSHAW (Four 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 France 1815–1939**

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

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

**Paper 9. A Prescribed Topic or Topics in Geography III:  
The Historical Geography of the AIDS Epidemic:  
Demography, Culture, Politics and Space**

DR G. KEARNS (Eight lectures)

DR G. KEARNS (Eight lectures)

DR G. KEARNS One-day Symposium

## Faculty of Earth Sciences and Geography (continued)

## GEOGRAPHICAL TRIPOS, PART II (continued)

MICHAELMAS 2000

LENT 2001

EASTER 2001

**Paper 10. A Prescribed Topic or Topics in Geography IV:  
The Geography of Britain during the Industrial Revolution**  
DR P. M. R. HOWELL (Eight lectures)

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

**Paper 11. A Prescribed Topic or Topics in Environmental  
Geography**  
**Biogeography and Environmental Management**  
DR S. T. TRUDGILL (Four lectures)  
DR T. WHITMORE (Four lectures)

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

DR S. T. TRUDGILL (Three lectures)

**Paper 12. Physical Geography I:  
Fluvial Processes and the Landscape**  
PROF. K. S. RICHARDS (Six lectures)  
PROF. E. A. KELLER (Two lectures)  
(Plus seminars, laboratory practicals and field trips to be  
arranged during the academic year)

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

**Paper 13. Physical Geography II:  
Polar and Glacial Studies**  
DR I. C. WILLIS (Eight lectures)

DR N. S. ARNOLD (Eight lectures)

DR P. WADHAMS (Four lectures)

**Paper 14. A Prescribed Topic or Topics in Geography V:  
The Geography of the Ocean World**  
DR T. SPENCER (Eight lectures)

DR T. SPENCER (Eight lectures)

DR T. SPENCER (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. N. J. SHACKLETON (Two lectures and one practical  
demonstration)  
DR R. C. PREECE (Two lectures)

DR P. L. GIBBARD (Four lectures)  
DR P. C. TZEDAKIS (Three lectures)  
DR C. TURNER (Two lectures, three practicals  
and one field excursion)**Long Vacation 2001 – Field Class**DR C. OPPENHEIMER AND DR I. C. WILLIS  
Physical Geography field trip to Iceland –  
a specialist class for ten students –  
one week

## M.PHIL. IN ENVIRONMENT AND DEVELOPMENT

*All lectures to be delivered in the Department of Geography, at times to be arranged***Core Modules***Introductory Lectures*DR T. P. BAYLISS-SMITH (Four hours)  
DR W. M. ADAMS (Four hours)  
DR B. VIRA (Four hours)*Development*

DR E. WATSON AND DR S. A. RADCLIFFE (Twelve hours)

*Human Development and Health*

DR D. LOW-BEER (Twelve hours)

*Indigenous Knowledge Systems, Biodiversity and  
Development*

DR B. PARRY AND DR M. BRAVO (Twelve hours)

*Environmental Science and Management*DR N. S. ARNOLD (Four hours)  
DR I. MOELLER (Four hours)  
DR J. BRASINGTON (Four hours)  
PROF. K. S. RICHARDS (Four hours)*Ecology and Conservation*DR S. TRUDGILL (Six hours)  
DR W. M. ADAMS (Two hours)  
DR B. VIRA (Two hours)  
DR H. BULKELEY (Two hours)*Rural Resources and Society*DR W. M. ADAMS (Three hours)  
DR B. VIRA (Three hours)**Research Training**

(Twenty-six hours)

**Optional Modules***Power and Development*DR E. WATSON (Six hours)  
DR S. A. RADCLIFFE (Two hours)*Environment and Disease*

DR D. LOW-BEER (Eight hours)

*Indigenous Knowledge, Biodiversity and  
Development*

DR B. PARRY AND DR M. BRAVO (Eight hours)

*Environmental Science and Management*PROF. K. S. RICHARDS (Six hours)  
DR J. BRASINGTON (Six hours)*Priorities and Projects in Biodiversity  
Conservation*

A. N. OTHER (Eight hours)

*Community-based Natural Resource Management*DR W. M. ADAMS (Four hours)  
DR B. VIRA (Two hours)  
DR T. P. BAYLISS-SMITH (Two hours)**Research Training**

(Thirty-two hours)

continued &gt;

## Faculty of Earth Sciences and Geography (continued)

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

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

MICHAELMAS 2000

LENT 2001

EASTER 2001

**Core and specialist techniques modules**
*Building and GIS*

 DR B. J. DEVEREUX  
(Eight lectures and eight practicals)

*Computer Data Structures and Graphics*

 DR S. KEARSEY  
(Eight lectures)

*Physics and techniques of remote sensing I (including atmospheric remote sensing)*

 DR C. OPPENHEIMER  
(Eight lectures/demonstrations)

*Image processing I*

 DR O. TUTUBALINA  
(Eight lectures/practicals)

*Statistics for GIS and Remote Sensing*

 PROF. A. D. CLIFF  
(Eight lectures and eight practicals)

**Research Applications**
*Lithosphere*

 DR C. OPPENHEIMER, DR N. HOVIUS AND DR J. JACKSON  
(Eight lectures)

**Core Lecture Course**
**Core and specialist techniques modules**
*Digital photogrammetry and topography*

 DR B. J. DEVEREUX AND MR N. KERLE  
(Eleven lectures/practicals)

*Programming Techniques for GIS and Image Analysis*

 DR S. KEARSEY  
(Eight lectures and eight practicals)

**Research applications**
*Hydrosphere*

 DR E. GREEN  
(Eight lectures/practicals)

*Cryosphere*

 DR D. VAUGHAN AND DR J. TURNER  
(Eight lectures)

*Biosphere*

 MR R. M. FULLER  
(Eight lectures and associated field visits)

*Earth system*

 DR W. G. REES  
(Four lectures)

*Environment and public health*

 DR D. LOW-BEER  
(Eight lectures)

*Archaeological Remote Sensing and Cultural Resource Management*

 A. N. OTHER  
(Eight lectures)

**Core Lecture Course**

### M.PHIL. IN QUATERNARY SCIENCE

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

*Introduction to the Quaternary*

DR P. L. GIBBARD (Eight hours)

*The terrestrial stratigraphical record*

DR P. L. GIBBARD (Four hours)

*The marine stratigraphical record*

PROF. N. S. SHACKLETON (Four hours)

*Sea level changes and coastal evolution*

DR T. SPENCER (Four hours)

*Floral and faunal change*

 DR R. C. PREECE, DR C. TZEDAKIS AND DR J. STEWART  
(Eight hours)

*Dating Quaternary events*

DR V. R. SWITSUR

*Human Interference*

A. N. OTHER

**Quaternary Research Methods**

DR R. C. PREECE (Eight hour lectures, twenty-four hours practical, one field excursion)

**Quaternary Research Seminar**

(Sixteen hours)

*Ocean Records and sedimentology*

DR McCAVE (Eight hours)

*Quaternary of the Tropics: overview*

DR MORLEY (Eight hours)

*Quaternary Micropalaeontology*

DR M. HEAD (Eight hours)

*Terrestrial Sedimentology*

DR A. MOSCARIELLO (Hours to be confirmed)

**Optional Modules**
*Quaternary landscapes*

 DR P. L. GIBBARD (Four hours)  
DR C. TURNER (Four hours) (Two field trips)

*Quaternary Palaeoecology*

 DR P. C. TZEDAKIS (Four hours)  
DR R. C. PREECE (Four hours)

*Quaternary dating and volcanology*

 DR V. R. SWITSUR (Four lectures)  
DR D. PYLE (Four lectures)

*Palaeoclimatology and Paleogeography*

 PROF. T. H. VAN ANDEL  
PROF. N. S. SHACKLETON AND DR ELDERFIELD  
(Sixteen hours)

*Ice sheet Modelling*

DR N. S. ARNOLD (Eight hour lectures, two hours practical)

*Human Evolutionary Biology*

DR R. FOLEY (Hours to be confirmed)

## Scott Polar Research Institute

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

A series of 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.

## SCOTT POLAR RESEARCH INSTITUTE

### Michaelmas Term 2000

- 21 Oct. CAROLINE HAMILTON  
**South Pole 2000: five women in search of adventure**  
 As a break from her office job in London, the speaker led an all-woman relay expedition to the North Pole in 1997, and this year led the first British all-woman team to ski to the South Pole. On both expeditions the participants have been ordinary women with ordinary jobs. They now have extraordinary tales to tell, as we shall hear.
- 4 Nov. LT. ERNEST COLEMAN, RN  
**George Vancouver: Cook's forgotten apprentice**  
 Vancouver led an expedition in search of the Northwest Passage and was for an extended period of time the person who had been closest to the South Pole. Why is it then that we hear so little about him? The speaker, a retired naval officer and veteran himself of polar expeditions, is currently writing a biography of Vancouver which aims to fill this gap.
- 18 Nov. **Sir Vivian Fuchs: a celebration**  
 'Bunny' Fuchs died last year on 11 November. First Director of the Falkland Islands and Dependencies Survey (later British Antarctic Survey), and leader of the Commonwealth Trans-Antarctic Expedition (1955–58), Fuch's contribution to science and exploration places him with the greatest names in Antarctic history. Today we celebrate his life and achievements by showing the famous film *The Crossing of Antarctica*, introduced by Robert Headland.
- PLEASE NOTE: The film will be followed by the AGM of the Friends of the Institute and a buffet. All are welcome to the lecture but Friends should only attend the AGM and buffet.
- 2 Dec. DAVID VAUGHAN, British Antarctic Survey  
**Antarctica's melting ice: hot air or chilly reality?**  
 In this lecture, originally presented in the 'Scientists for the New Century' series at the Royal Institution, the speaker reviews the progress of Antarctic science since 1900, and discusses likely developments in the new century.

With the exception of the showing of 'The Crossing of Antarctica' on 18 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 that are interested, and seats will be reserved on request for 'Friends of the Institute'.