

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 2001

LENT 2002

EASTER 2002

PART IA

First year: for students intending to take Part IA in 2001–2002

Paper 1. Geographical Ideas and Methods

The History and Philosophy of Geography

DR H. D. ALLEN (One lecture)
 DR I. C. WILLIS
 PROF. R. J. CHORLEY (One lecture)
 DR C. M. OPPENHEIMER (One lecture)
 DR P. M. R. HOWELL (Two lectures)
 DR M. D. BILLINGE (One lecture)
 DR W. M. ADAMS (One lecture)
 DR L. CAMERON (One lecture)

Practical Exercises Methods Section:

DR I. C. WILLIS
 Introduction: Course Aims and Structure (One lecture)
 Production and Representation of Geographical Data (One lecture)
 DR N. S. ARNOLD AND MISS J. E. ROBINSON
 Basic Skills Training Course. (Eight practicals)
 DR I. C. WILLIS
 The Shape and Structure of Geographical Data (Five lectures and Ten practicals); Producing a report (One lecture)

Specific Projects

DR G. KEARNS
 The Famine Irish in Liverpool, 1851 (Two lectures)
 DR P. L. GIBBARD
 Field Description and Interpretation of Sediments (Two lectures)

Paper 2. Contemporary Human Geography

DR S. A. RADCLIFFE (Four lectures)
 DR J. POLLARD (Four lectures)

Paper 3. Historical Geography

Introduction to Historical Geography: The Historical Geography of Global Development
 DR P. M. R. HOWELL (Five lectures)
 DR M. D. BILLINGE (Five lectures)

Paper 4. Environment and Resources

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

Paper 5. Physical Geography

DR N. S. ARNOLD (Six lectures)
 DR C. M. OPPENHEIMER (Two lectures)

PROF. R. P. HAINING (Two lectures)
 ANO (Two lectures)
 DR G. KEARNS (Two lectures)
 DR J. S. DUNCAN (Two lectures)
 DR J. BRASINGTON (Two lectures)
 DR C. OPPENHELMAS (Two lectures)

Practical Exercises Methods Section:

PROF. A. D. CLIFF
 The same continued. (Four lectures and Eight practicals)
 MR P. J. STICKLER
 Cartographic skills. (One lecture and Two practicals)

Specific Projects

PROF. A. D. CLIFF
 Geographical Scale Effects in Patterns of Measles Incidence in the United States, 1960–2000 (Two lectures)
 DR J. BRASINGTON
 Degradation of the Mesopotamian Marshlands (Two lectures)

DR M. WARRINGTON (Six lectures)
 DR B. PARRY (Two lectures)

DR G. KEARNS (Five lectures)
 DR J. S. DUNCAN (Five lectures)

DR J. BRASINGTON (Three lectures)

DR P. L. GIBBARD (Two lectures)
 DR H. D. ALLEN (Three lectures)
 DR I. C. WILLIS (Two lectures)

DR B. PARRY (Four lectures)

DR T. P. BAYLISS-SMITH (Eight lectures) Field Trip:
 DR T. P. BAYLISS-SMITH One field trip, with introductory lecture: Hayley Wood–Woodland Ecology & Management

DR S. T. TRUDGILL (Three lectures)
 PROF. K. S. RICHARDS (Two lectures)

Faculty of Earth Sciences and Geography (continued)

GEOGRAPHICAL TRIPOS, PART IB

MICHAELMAS 2001

LENT 2002

EASTER 2002

Second year: for students intending to take Part IB in 2001–2002

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

II. Geographical Methods: Practical Projects

DR N. S. ARNOLD

Project A: Multivariate Methods in Geographical Research (Eight lectures and eight computer laboratory classes)

DR P. M. R. HOWELL

Project B: Geographical Interpretations of some Historical Sources (One lecture and three computer laboratory classes)

MR G. TOYOS

Project C: Remote Sensing and Image Interpretation: A Volcanological Case Study (One lecture and three computer laboratory practicals)

IV. Research Design**A: Designing Dissertations**

DR P. M. R. HOWELL

Dissertation Research: Design, Execution and Presentation (One lecture)

DR M. WARRINGTON

Research Methods I: Contemporary Human Geography (One lecture)

DR M. D. BILLINGE

Research Methods II: Archival and Other Data Sources (One lecture)

DR J. BRASINGTON

Research Methods III: Physical Geography (One lecture)

MR B. VIRA AND DR E. E. WATSON

Research Methods IV: Issues in Development Studies

Paper 1. Human Geography I: Cities

DR G. KEARNS (Eight lectures)

Paper 2. Human Geography II: Production, Work and Territory

PROF. R. L. MARTIN (Four lectures)

DR J. POLLARD (Four lectures)

Paper 3. Human Geography III: Development

DR E. E. WATSON (Four lectures)

MR B. VIRA (Four lectures)

Paper 4. Human Geography IV: State, Politics and Environment

DR M. WARRINGTON (Six lectures)

DR S. E. OWENS (Two lectures)

Paper 5. Human Geography V: Culture and Society

DR J. S. DUNCAN (Five lectures)

DR S. A. RADCLIFFE (Three lectures)

II. Geographical Methods: Practical Projects

PROF. R. HAINING

Project D: Spatial Analysis Methods: Applications in Environmental Criminology (Three lectures and two computer laboratory classes)

DR S. A. RADCLIFFE

Project E: Qualitative and Ethnographic Methods (One lecture, one interview and two large lecture theatre practicals)

DR J. BRASINGTON

Project F: Environmental Modelling (One lecture and three computer laboratory practicals)

DR S. T. TRUDGILL

Project G: Field and Laboratory Procedures in Water Quality Analysis (One lecture, three physical geography laboratory practicals, field work)

III. Field Classes—Easter Vacation

(i) Algarve—DR H. D. ALLEN, PROF. R. J. BENNETT, AND

(ii) Mallorca—DR J. BRASINGTON, DR J. S. DUNCAN, DR P. M. R. HOWELL

(iii) Aeolian Islands—DR M. GRAY, DR C. OPPENHEIMER, AND

IV. Research Design:**B. An Introduction to the Mediterranean**

DR H. D. ALLEN

The Physical Geography of the Western Mediterranean (One lecture)

DR H. D. ALLEN

Climat and Vegetation Dynamics in the Mediterranean (One lecture)

DR P. M. R. HOWELL

The Mediterranean: Environment, History and Culture (One lecture)

DR J. S. DUNCAN

The Cultural Geography of Mediterranean Society (One lecture)

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

[DR J. STARGARDT Optional Guest Lecturer (One lecture)]

PROF. R. L. MARTIN (Four lectures)

DR J. POLLARD (Four lectures)

DR E. E. WATSON (Eight lectures)

DR D. LOW-BEER (Two lectures)

DR H. BULKELEY (Four lectures)

DR B. PARRY (Four lectures)

DR J. S. DUNCAN (Three lectures)

DR S. A. RADCLIFFE (Five lectures)

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

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

Faculty of Earth Sciences and Geography (continued)

GEOGRAPHICAL TRIPOS, PART I_B (continued) AND PART II

MICHAELMAS 2001

LENT 2002

EASTER 2002

**Paper 6. Physical and Environmental Geography I:
Geographical Information Science**

PROF. R. P. HAINING (Eight lectures)

DR C. M. OPPENHEIMER (Eight lectures)

**Paper 7. Physical and Environmental Geography II: Physical
Geography of Mountain Regions**

DR N. HOVIUS (Four lectures)
DR C. M. OPPENHEIMER (Four lectures)

DR I. C. WILLIS (Four lectures)
DR H. D. ALLEN (Four lectures)

**Paper 8. Physical and Environmental Geography III:
Environmental Hazards**

PROF. K. S. RICHARDS (Eight lectures)

DR T. P. BAYLISS-SMITH (Two lectures)
DR C. M. OPPENHEIMER (Two lectures)
DR J. BRASINGTON (Two lectures)
DR I. C. WILLIS (Two lectures)

**Paper 9. Physical and Environmental Geography IV:
Hydrology and Water Resources**

DR J. BRASINGTON (Eight lectures)

DR S. T. TRUDGILL (Three lectures)
GUEST LECTURER (One lecture)

PROF. K. S. RICHARDS (Two lectures)

**Paper 10. Physical and Environmental Geography V:
Environmental Processes and Management**

DR S. T. TRUDGILL (Six lectures)
DR R. EVANS (Two lectures)

DR R. E. RANDALL (Two lectures)
DR J. FRENCH (Six lectures)

PART II

Third year: for students intending to take Part II in 2001–2002

Paper 1: Human Geography I: Cultural Geography

DR J. S. DUNCAN (Six lectures)
MR D. LAMBERT (Two lectures)

DR J. S. DUNCAN (Six lectures)
MR D. LAMBERT (Two lectures)

**Paper 2. Human Geography II: The Social Engagement with
Nature**

DR G. KEARNS (Two lectures)
DR P. M. R. HOWELL (Four lectures)
DR L. CAMERON (Two lectures)

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

DR W. M. ADAMS (Two lectures)

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

PROF. A. D. CLIFF (Sixteen lectures)

**Paper 4. A Prescribed Topic or Topics in Geography II:
Cultures of the Field: Historical Issues**

DR M. T. BRAVO (Six lectures)
DR P. M. R. HOWELL (Two lectures)

DR L. J. CAMERON (Four lectures)

DR R. B. BOAST (Four lectures)

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

DR D. BROCKINGTON (Six lectures)
DR W. M. ADAMS (Two lectures)

PROF. M. MORTIMORE (Four lectures)
DR W. M. ADAMS (Four lectures)

DR W. M. ADAMS (Two lectures)

**Paper 6. The Geography of a Prescribed Area or Areas II:
The Restructuring of Britain**

PROF. R. L. MARTIN (Four lectures)
DR E. E. WATSON (Four lectures)

PROF. R. L. MARTIN (Six lectures)
PROF. R. L. MARTIN (Group discussion)
DR M. WARRINGTON (Four lectures)

PROF. R. L. MARTIN (Two lectures)
PROF. R. L. MARTIN (Group discussion)

**Paper 7. Historical Geography I: Aspects of Historical
Cultural Analysis, with special reference to Western Europe
after 1700**

DR M. D. BILLINGE (Eight lectures)

DR M. D. BILLINGE (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)

**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)

**Paper 10. A Prescribed Topic or Topics in Geography IV:
Biogeography and Environmental Management**

DR S. T. TRUDGILL (Four lectures)
DR S. JEWITT (Four lectures)

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

DR S. T. TRUDGILL (One lecture)
DR F. HARRIS (One lecture)

Faculty of Earth Sciences and Geography (continued)

GEOGRAPHICAL TRIPOS, PART II (continued)

MICHAELMAS 2001

LENT 2002

EASTER 2002

Paper 11. A Prescribed Topic or Topics in Environmental Geography: Environment, Policy and Society
DR S. E. OWENS (Eight lectures)

Paper 12. Physical Geography I: Fluvial Processes and the Landscape
PROF. K. S. RICHARDS
(Eight lectures, one practical class, one field trip)

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: Volcanology
PROF. A. WOODS (Four lectures)
DR D. PYLE (Four lectures)

Paper 15. A Prescribed Topic or Topics in Geography VI: Quaternary Environments
DR P. L. GIBBARD (Three lectures)
PROF. N. J. SHACKLETON (Two lectures and one practical demonstration)
DR R. C. PREECE (Two lectures)
DR H. D. ALLEN (One lecture)

DR S. E. OWENS (Eight lectures)
DR S. E. OWENS—Transport and Environment Workshop (Two hours)

DR P. L. GIBBARD (Four lectures, one field trip)
DR F. M. R. HUGHES (Four lectures)
DR J. BRASINGTON (One lecture, one practical class)

DR N. S. ARNOLD (Eight lectures)

DR D. PYLE (Two lectures)
DR C. M. OPPENHEIMER (Five lectures)
DR P. BAXTER (One lecture)

DR P. L. GIBBARD (Four lectures and 1–2 field excursions)
DR C. TURNER (Three lectures, three practicals and one field excursion)
DR H. D. ALLEN (One lecture)

DR P. WADHAMS (Four lectures)

Long Vacation 2002—Field Class

DR G. KEARNS AND DR P. M. R. HOWELL
Historical and Cultural Geography Field
Trip to Dublin—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 S. OWENS (Four hours)
DR W. M. ADAMS (Four hours)
DR B. VIRA (Four hours)

Issues in Development

DR E. WATSON (Twelve hours)

Human Development Population and Health

DR A. REID (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)

Rural Resources and Society

DR W. M. ADAMS (Three hours)
DR B. VIRA (Three hours)

Research Training

(Forty-five hours)

Optional Modules*Issues in Social Development*

DR E. WATSON (Six hours)
DR S. A. RADCLIFFE (Two hours)

Environment and Disease

DR A. REID (Eight hours)

Indigenous Knowledge. In Arctic Regions

DR M. BRAVO (Eight hours)

River Basin Management

DR J. BRASINGTON (Twelve hours)

Priorities and Projects in Biodiversity

Conservation
DR W. M. ADAMS (Eight hours)

Rural Livelihoods in African Drylands

DR W. M. ADAMS (Sixteen hours)

Arctic/Antarctic Environmental Case Studies

DR M. BRAVO (Eight hours)

Research Training

(Twenty-seven hours)

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 2001

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EASTER 2002

Core and specialist techniques modules
Building and GIS

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

Foundations of Integrated GIS Science

 DR S. KEARSEY AND DR B. J. DEVEREUX
(Twelve lectures)

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

 DR C. OPPENHEIMER
(Eight lectures/demonstrations)

Ground Trathing

 DR C. SHELL, DR W. G. REES AND DR B. J. DEVEREUX
(Four lectures)

Image processing I

 DR O. TUTUBALINA
(Eight lectures/practicals)

Multivariate Statistics for GIS and Image Sensing

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

Spatial Data Analysis for GIS and Image Processing

 PROF. R. P. HAINING
(Eight lectures and practicals)

Digital Photogrammetry and DEM Analysis

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

Research applications
Hydrosphere

 DR J. BRASINGTON
(Six lectures/practicals)

Cryosphere

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

Biosphere

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

Spatial Statistics in Public Health and Crime Research

 PROF. R. H. HAINING
(Eight lectures and practicals)

Spatial Epidemiology and GIS

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

Archaeological Remote Sensing and Cultural Resource Management

 DR C. SHELL
(Eight lectures)

M.PHIL. IN QUATERNARY SCIENCE

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

Core Lecture Course
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 Paleoenangraphy

 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.

ANTHROPOLOGY AND RUSSIAN NORTHERN STUDIES GROUP

The Group's regular graduate seminar covers a wide range of topics, often with visiting speakers from Russia and elsewhere. The Group also runs specialist seminars covering the following topics: Reindeer herding; Oil, gas and society; Shamanism, spirits and environment; Therapy and the family in Russia; Governance and indigenous rights in the North. For details please contact Dr Piers Vitebsky on pv100@cam.ac.uk

PUBLIC LECTURE SERIES

Unless otherwise announced, all public lectures are held on Saturdays at 8.00 p.m. in the Institute's Lecture Theatre.

Michaelmas Term 2001

- 29 Sep. SUSAN SOLOMON
The coldest march: new insights into Scott's fatal Antarctic expedition
 A distinguished scientist and author of a recent book on this subject, the speaker brings the power of modern science to bear on the tragic conclusion of Scott's polar journey. Her analysis reveals that exceptional weather rather than human error was primarily responsible for the disaster.
- 20 Oct. ROBERT HEADLAND
The Swedish Antarctic Expedition of 1901–04
 This talk is the first of three in the **Polar Centenary Series** about major Antarctic expeditions setting out in 1901. This first lecture outlines the context in which several European countries arranged to cooperate in Antarctica's exploration, and tells the story of Otto Nordenskjöld's memorable expedition.
- 3 Nov. HUGH PURCELL
 ARCTIC FILM AFTERNOON AND EVENING
In Nanook's footsteps: filming the Inuit from Flaherty to today
 From 3.00 p.m. onwards, the speaker will introduce and show the reprint of the classic film *Nanook of the North* (Flaherty, 1924), followed by a 1970s film shot in the same area, and a film from the series *Nunavut (our land)* by the Inuit director Zak Kunuk, winner of the 2001 Cannes Camera D'Or. In his talk at 8.00 p.m, he will talk about the making of these films and his own experiences.
- 10 Nov. CORNELIA LUDECKE
The German South Polar Expedition of 1901–03
 The Speaker will describe the organisation and achievements of Erich von Drygalski's expedition, setting her talk in the context of national political and naval rivalries as well as international scientific collaboration.
- 17 Nov. DAVID WILSON
Discovery rediscovered
 Robert Scott's expedition of 1901–04 was the first to penetrate into the interior of Antarctica, and the first to prove once-and-for-all that Antarctica was indeed a continent. Overshadowed by Scott's second expedition, the speaker will suggest that this expedition has been unjustly neglected.
- PLEASE NOTE: This lecture will begin at 5.00 p.m. followed by the AGM of Friends of the Institute and a buffet. All are welcome to the lecture but Friends only should attend the AGM and buffet.
- 1 Dec. ALAN ASHWORTH
Beetles on the Beardmore—Antarctica before the big freeze
 What were Antarctica's flora and fauna like before the formation of its continental ice sheet? At last, a fossil site has been discovered providing insight into these. Intriguingly, it also suggests that the onset of glaciation was much later than commonly supposed.

SCIENCE AND SOCIETY GROUP

For details of these seminars, please contact Dr Michael Bravo on mbl24@cam.ac.uk