

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 1999

LENT 2000

EASTER 2000

First year: for students intending to take IA in 1999–2000

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 AND DEMONSTRATORS

Basic Skills Training Course (Six practicals)

DR I. C. WILLIS

The Shape and Structure of Geographical Data (Five theory and five practicals)

Producing a Report (One lecture)

Specific Projects

DR B. J. DEVEREUX

Remote Sensing Analysis of Crete Vegetation Structure (Two lectures)

DR D. E. KEEBLE

Transport Problems and Politics in Cambridge (Two lectures)

Practical Exercises

Demonstrators (Sixteen hours)

Paper 2. Contemporary Human Geography

The Restructuring of the Modern World

DR A. INGRAM (Four lectures)

DR R. L. MARTIN (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 M. D. BILLINGE (Six lectures)

Paper 4. Environment and Resources

DR S. N. LANE (Six lectures)

Paper 5. Physical Geography

DR T. SPENCER (Three lectures)

DR N. S. ARNOLD (Three lectures)

DR R. C. WALCOTT (Two lectures)

DR P. L. GIBBARD (One lecture)

DR M. D. BILLINGE (One lecture)

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

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

DR J. S. DUNCAN (One lecture)

DR G. E. KEARNS (One lecture)

DR R. L. MARTIN (One lecture)

DR S. N. LANE (One lecture)

DR N. S. ARNOLD AND PROF. A. D. CLIFF

The same continued (Four theory and four practicals)

MR P. J. STICKLER

Cartographic Skills (One lecture and one practical)

Specific Projects

DR M. D. BILLINGE

The Growth and Development of the English Seaside Resort (Two lectures)

DR T. SPENCER

Processes and Implication of Environmental Change in Coastal Wetlands (Two lectures)

DR B. PARRY (Four lectures)

DR M. WARRINGTON (Four lectures)

DR R. E. GLASSCOCK (Six lectures)

A. N. OTHER (Six lectures)

DR S. E. OWENS (Four lectures)

DR B. VIRA (Four lectures)

DR T. SPENCER (One lecture)

DR H. D. ALLEN (Three lectures)

DR I. C. WILLIS (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. T. TRUDGILL (Three lectures)

PROF. K. S. RICHARDS (Two lectures)

Faculty of Earth Sciences and Geography (continued)

GEOGRAPHICAL TRIPOS, PART IB

MICHAELMAS 1999

LENT 2000

EASTER 2000

Second year: for students intending to take Part Ib in 1999–2000

Submitted Work

Open Book: Geographical Ideas and Methods and Special Topics

<p>I. Geographical Ideas DR S. N. LANE (Two lectures) DR A. LAWSON (Two lectures) DR J. S. DUNCAN (Two lectures) DR A. R. H. BAKER (Two lectures)</p> <p>II. Multivariate Methods in Geographical Research DR N. S. ARNOLD (Eight lectures and eight laboratory classes)</p> <p>III. Practical Methods in Geographical Research: Special Projects Options DR S. T. TRUDGILL Field and Laboratory Procedures in Water Quality Analysis (Six lectures) DR G. E. KEARNS Geographical Interpretations of some Historical Sources (Six lectures) DR P. L. GIBBARD Field Description and Interpretation of Sedimentary Deposits (Six lectures) MR A. FREEMAN Analysing Spatial Data with Database, Spreadsheet and Mapping Package Software: Control of User-Costs of Housing (Six lectures)</p>	<p>III. Practical Methods in Geographical Research: Special Project Options DR I. C. WILLIS An Introduction to Environmental Modelling (Six lectures) DR S. N. LANE Image Interpretation and Classification for Flood Hazard Management (Six lectures) DR N. S. ARNOLD Multivariate Methods in Geographical Research (Six lectures) DR A. C. HUDSON Qualitative and Ethnographic Methods (Six lectures)</p> <p>IV. Research Design: A. Designing Dissertations DR P. M. R. HOWELL (One lecture) DR A. C. HUDSON (One lecture) DR M. D. BILLINGE (One lecture) DR C. M. OPPENHEIMER (One lecture) B. An Introduction to The Mediterranean DR S. N. LANE (One lecture) DR T. SPENCER (One lecture) DR R. E. GLASSCOCK (One lecture) DR J. S. DUNCAN (One lecture)</p> <p>V. Residential Field Classes: (i) PROF. K. S. RICHARDS AND DR H. D. ALLEN The Algarve (One week) (ii) DR S. N. LANE, DR W. M. ADAMS AND DR J. S. DUNCAN S E Spain (One week) (iii) DR P. M. R. HOWELL AND DR S. T. TRUDGILL Mallorca (One week)</p>	
<p>Paper 1. Economic Geography DR R. L. MARTIN (Two lectures) DR N. HENRY (Six lectures)</p>	<p>DR R. L. MARTIN (Two lectures) DR A. C. HUDSON (Six lectures)</p>	
<p>Paper 2. The State, Politics and Space DR A. R. INGRAM (Eight lectures)</p>	<p>DR J. PAINTER (Eight lectures)</p>	
<p>Paper 3. Comparative Urbanization DR G. E. KEARNS AND DR J. S. DUNCAN (Eight lectures)</p>	<p>DR G. E. KEARNS AND DR J. S. DUNCAN (Eight lectures)</p>	<p>DR G. E. KEARNS AND DR J. S. DUNCAN (Two lectures)</p>
<p>Paper 4. The Geography of Developing Countries DR B. VIRA (Four lectures) DR E. WATSON (Four lectures)</p>	<p>DR E. WATSON (Eight lectures)</p>	<p>DR E. WATSON (Two lectures)</p>
<p>Paper 5. The Geography of a Prescribed Area: Melanesia DR T. P. BAYLISS-SMITH (Ten lectures)</p>	<p>DR T. P. BAYLISS-SMITH (Six lectures)</p>	<p>DR T. P. BAYLISS-SMITH (Two lectures)</p>
<p>Paper 6. The Historical Geography of Urbanism DR R. E. GLASSCOCK (Eight lectures)</p>	<p>DR M. D. BILLINGE (Eight lectures) DR G. E. KEARNS (Four lectures)</p>	
<p>Paper 7. The Historical Geography of North America DR P. M. R. HOWELL (Eight lectures)</p>	<p>DR A. R. H. BAKER (Four lectures) DR D. S. CLAYTON (Four lectures)</p>	<p>DR J. S. DUNCAN (Four lectures)</p>
<p>Paper 8. Environment Problems: Science and Policy DR S. E. OWENS (Four lectures) DR S. N. LANE (Four lectures)</p>	<p>DR S. N. LANE (Six lectures) DR H. BULKELEY (Two lectures)</p>	<p>DR H. BULKELEY (Two lectures)</p>

Faculty of Earth Sciences and Geography (continued)

GEOGRAPHICAL TRIPOS, PART IB (continued)

MICHAELMAS 1999

LENT 2000

EASTER 2000

Paper 9. BiogeographyDR S. T. TRUDGILL (Six lectures)
DR R. EVANS (Two lectures)DR T. P. BAYLISS-SMITH (Four lectures)
DR R. E. RANDALL (Four lectures)

DR T. P. BAYLISS-SMITH (Two lectures and field trips)

Paper 10. Process GeomorphologyDR S. T. TRUDGILL (Four lectures)
PROF. K. S. RICHARDS (Four lectures and seminars)
DR R. EVANS (Two lectures)DR T. SPENCER AND DR I. MOLLER
(Eight lectures, two seminars and a practical)**Paper 11. Landforms and Environmental Change**DR N. HOVIUS (Two lectures)
DR I. C. WILLIS (Six lectures)

DR C. M. OPPENHEIMER (Six lectures)

DR H. D. ALLEN (Four lectures)

GEOGRAPHICAL TRIPOS, PART II

Third year: for students intending to take Part II in 1999–2000

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 BritainDR 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 (Three Group discussions)

Paper 3. A Prescribed Topic or Topics in Geography I: Urban Problems, Planning and PolicyDR D. E. KEEBLE (Four lectures)
DR M. WARRINGTON (Four lectures)DR M. GRAY (Four lectures)
DR S. E. OWENS (Three lectures)
Workshop: Urban Transport Workshop
(Two hours)

Workshop: Housing and Planning (One day)

Paper 4. A Prescribed Topic or Topics in Geography II: Spatial Diffusion

PROF. A. D. CLIFF (Sixteen lectures)

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

DR W. M. ADAMS (Twelve lectures)

DR W. M. ADAMS (Twelve lectures)

Paper 6. The Geography of a Prescribed Area or Areas II: The Post-Soviet States in Transition

DR A. R. INGRAM (Six lectures)

DR A. R. INGRAM (Four lectures)
A. N. OTHER (Six 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 (Two lectures)

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

DR G. E. KEARNS (Eight lectures)

DR G. E. KEARNS (Eight 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)
Workshop: Transport and Environment

Workshop: Housing, Planning and Environment (One day)

Paper 12. Physical Geography I: The Geography of the Ocean World

DR T. SPENCER (Eight lectures)

DR T. SPENCER (Eight lectures)

DR T. SPENCER (Two 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)

Faculty of Earth Sciences and Geography (continued)

GEOGRAPHICAL TRIPOS, PART II (continued)

MICHAELMAS 1999

LENT 2000

EASTER 2000

**Paper 14. A Prescribed Topic or Topics in Geography V:
Biogeography and Environmental Management**DR S. T. TRUDGILL (Six lectures)
DR R. E. RANDALL (Two lectures)DR T. WHITMORE (Four lectures)
MR B. VIRA (Four lectures)DR S. T. TRUDGILL (One lecture)
DR T. P. BAYLISS-SMITH (Three lectures)**Paper 15. A Prescribed Topic or Topics in Geography VI:
Quaternary Environments**

DR P. L. GIBBARD (Three lectures)

DR P. L. GIBBARD (Four lectures and
one/two field excursions)
DR P. C. TZEDAKIS (Three lecture)DR P. C. TZEDAKIS (One lecture)
PROF. SIR N. J. SHACKLETON (Two lectures and practical
demonstration)
DR R. C. PREECE (Two lectures)
DR C. TURNER (Field excursion)

DR C. TURNER (One lecture and practical)

M.PHIL. IN ENVIRONMENT AND DEVELOPMENT

Paper 1. Development and the Global Environment*Fundamentals of Environmental Science*
DR S. N. LANE (Six hours)*Glaciation and Climate Change*
DR N. S. ARNOLD (Two hours)*Environmentalism and the Development of Environmental
Concern*
DR W. M. ADAMS (Eight hours)*Historical Geography of Global Environmental Change*
DR T. P. BAYLISS-SMITH (Four hours)*Development Theory and Development Studies*
DR E. WATSON (Four hours)*Culture, Society and Development*
DR B. PARRY (Four hours)
DR C. ELLIOT (Four hours)*Economics of Environment and Development*
DR B. VIRA (Eight hours)*Politics of Environment and Development*
DR R. BRYANT (Four hours)*Ecosystem Science and Environmental Management*
DR S. T. TRUDGILL (Six hours)*Environmental Policy: Theory*
DR S. E. OWENS (Two hours)*Environmental Policy: Enforcement*
DR S. N. LANE AND DR B. VIRA (Four hours)*Smuts Memorial Fund Commonwealth Lectures*
DR B. HARRISS-WHITE (Four hours)

Seminars

Graduate Training Programme
(Sixteen hours)**Optional Modules**Each module will comprise a mixture of
lectures, seminars and practical exercises.*Global Environmental Politics*
DR A. C. HUDSON*A topic in Development Studies*
DR E. WATSON*Project Planning and Management in Biodiversity
Conservation*
DR S. DOOLAN*Business and Environment*
DR J. SMITH*Tropical Rain Forests: Logging versus
Agroforestry*
DR T. P. BAYLISS-SMITH*River Basin Management (includes Field Class)*
PROF. K. S. RICHARDS AND DR S. N. LANE*Environment and Development of Polar Regions*
DR W. M. ADAMS*Participatory Natural Resource Management*
DR B. VIRA**Graduate Training Programme**Specific Methods for E and D Research.
Details to be announced

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 1999	LENT 2000	EASTER 2000
<p>DR B. J. DEVEREUX Building a GIS (Eight lectures/practicals)</p> <p>PROF. A. D. CLIFF AND DR D. LOW-BEER Statistics for GIS and Remote Sensing. (Eight lectures and eight practical classes)</p> <p>DR S. KEARSEY Computer Data Structures and Graphics (Eight lectures)</p> <p>DR M. WOOSTER Principles of Remote Sensing (Eight lectures)</p> <p>MS O. TOUTOUBALINA Digital Image Processing (Eight practical classes)</p> <p>DR S. N. LANE Digital Photogrammetry (Eight lectures/practicals)</p>	<p>DR B. J. DEVEREUX Digital Terrain Models (Three lectures and one practical)</p> <p>PROF. A. D. CLIFF Public Health (Eight lectures/practicals)</p> <p>DR R. M. FULLER AND DR B. J. DEVEREUX Ecological Research (Eight lectures and associated field visits)</p> <p>DR C. A. SHELL Archaeological Remote Sensing and Cultural Resource Management (Eight lectures)</p> <p>DR W. G. REES Global Climate and Environmental Change (Eight lectures)</p> <p>DR C. OPPENHEIMER, DR N. MITCHELL, DR J. JACKSON AND DR N. HOVIUS Geological Remote Sensing (Eight lectures and two practical classes)</p> <p>DR C. OPPENHEIMER AND DR W. G. REES Remote Sensing of the Atmosphere (Eight lectures/practicals)</p> <p>DR E. GREEN Remote Sensing for Coastal Management (Eight lectures/practicals)</p> <p>DR S. KEARSEY Programming Techniques for GIS and Image Analysis (Eight lectures/practicals)</p>	

Scott Polar Research Institute

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)**SCOTT POLAR RESEARCH INSTITUTE****Michaelmas Term 1999**

- 23 Oct. BOB BURTON, Arcturus Expeditions
Summer on the tundra
 On three Joint Service expeditions to North-east Greenland (1977) and Ellesmere Island, Canada (1980, 1988), the speaker had opportunity to observe the wildlife of the High Arctic from before the first thaw in May to the first autumn snows in late August. In this illustrated lecture, he will describe how Arctic animals and plants make the most of their short summer.
- 6 Nov. DAVID ROOTES, Poles Apart
The Trials of 'Polar Filming' Life
 Have you ever wondered how programmes such as David Attenborough's *Life in the Freezer* and Michael Palin's *From Pole to Pole* were made? With over 20 years experience of conducting field operations in remote areas, the speaker regularly provides logistic advice and field support to expeditions, film and television projects, including these two major series.
- 20 Nov. DAVID WILSON
Edward Wilson of the Antarctic: the hero in the family from the family point of view
 As Edward Wilson's great-nephew, the speaker grew up among family memories and mementoes of one of Antarctica's greatest figures, for Edward Wilson was by any standards exceptional as artist, naturalist, explorer and man. This lecture represents a unique opportunity to hear the family perspective on one of its own and to view illustrations from rarely seen photograph albums and sketch-books.

PLEASE NOTE: This lecture will be followed by the AGM of the Friends of the Institute and a buffet. All are welcome to the lecture but Friends only should attend the AGM and buffet.

- 4 Dec. ROBERT HEADLAND, Scott Polar Research Institute
A century ago: the Heroic Era of Antarctic exploration
Polar Centenary Lecture Series No. 3
 The period 1895 to 1920 was crucial for Antarctica's exploration. The classic expeditions of Scott, Shackleton, Amundsen, Mawson, Nordenskjold, Charcot and others all date from this era. In this lecture, with so many centenaries to be celebrated, the speaker will review the achievements of the 'Heroic Era' focusing particularly on some of the lesser known expeditions and placing them in their context.

With the exception of David Wilson's lecture on 20 November which will be held at 5 p.m., all lectures are at **8 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'.