Lectures proposed by the Boards of the Faculties of Earth Sciences and Geography, Physics and Chemistry, Biology, and Mathematics, and the Board of History and Philosophy of Science

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

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART Ia

Introduction to the Course

W. 12 (3 Oct.) Professor Sir Keith Peters and Dr D. MacDonald (Medical Students) Anatomy Lecture Theatre
W. 11 (3 Oct.) Mr J Grangdage, Dr D. Chivers, Professor L. B. Jeffcott (Veterinary Students) Biffen Lecture Theatre

MICHAELMAS 2001

CELL BIOLOGY

Course Organiser: Dr S. Bray E-mail: sjb32@mole.bio.cam.ac.uk
Further information may be obtained from the Faculty Web site at http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html

FUNCTIONAL ARCHITECTURE OF THE BODY

(Medical Students)

At the Anatomy School unless otherwise stated

Course Organiser: Dr R. E. J. Dyball E-mail: red1000@cus.cam.ac.uk
Further information may be obtained from the Faculty Web site at http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html

LECTURES

W. F. 9

PROF. R. C. THOMAS AND DR. M. A. STANLEY

Cell Biology (8 lectures 4–11 Oct.)

DR. D. COX

Ethics, Attitudes and Communication (One lecture, 10 Oct.)

MR R. H. WHITAKER

Principles of Cranial Nerves (Two lectures, 18, 23 Jan.)

DR S. A. EDGLEY

Musculo- Skeletal System: Posture and Gait (One lecture, 14 Nov.)

W. 13 (4 Oct.)

PROF. A. DIXON

Principles of Radiology (One lecture, 19 Oct.)

DR I. G. PARKIN

Principles of Body Systems (Nervous and Cardiovascular) (Two lectures, 24, 31 Oct.)

DR I. G. PARKIN

Autonomic Nervous System (One lecture, 2 Nov.)

DR I. G. PARKIN

Principles of Lymphatic Drainage and Breast (One lecture, 21 Nov.)

DR I. G. PARKIN

Nerve Supply within the Abdominal Cavity (One lecture, 27 Feb.)

DR I. G. PARKIN

Anatomy Changing with Age (One lecture, 6 Mar.)

DR I. G. PARKIN

Clinical Demonstration: 29 Nov. 10–12.

Dissections and Prosections*

Anatomy of Procedures: The same continued.

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART II

LECTURE-LIST—MICHAELMAS TERM 2001 [SPECIAL NO. 1]
### Medical and Veterinary Sciences Tripos, Part I A (continued)

#### Histology

Course Organiser: Dr J. T. Tiffert E-mail: jtt1000@cam.ac.uk

Further information may be obtained from the Faculty Web site at http://www.bio.cam.ac.uk/sbs/labiol/mvst.html

Students will be notified of the time at which they should attend each of the classes.

#### Homeostasis

Course Organiser: Dr R. H. S. Carpenter (E-mail: rhsc1@cam.ac.uk)

Further details at http://www.physiol.cam.ac.uk/PartIA/Homeostasis.html

#### Molecules in Medical Science

In the Babbage Lecture Theatre, New Museums Site

Course Organiser: Dr P. H. Rubery E-mail: phr2@cam.ac.uk

Further information may be obtained from the Faculty Web site at http://www.bio.cam.ac.uk/sbs/labiol/mvst.html

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### Practical Work Department of Physiology

**Lectures.** Tu. Th. F. 12 Babbage Lecture Theatre

**DR R. H. S. CARPENTER**

Homeostasis and intercellular communication (Six lectures, 16–26 Oct.) Tu. Th. F. 12

**DR C. L-H. HUANG**

Muscle (Five lectures, 30 Oct.–8 Nov.)

**DR R. J. BARNES**

Heart and circulation (Nine lectures, 9–29 Nov.)

**Practical Work**

Experimental Physiology. M. 10–12 or 2–4 or W. 10–12 or F. 10–12

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**Lectures.** Tu. Th. F. 12 Babbage Lecture Theatre

**DR M. L. MASON**

Respiration (Nine lectures, 17 Jan.–5 Feb.) Tu. Th. F. 12

**DR S. O. SAGE**

Fluids and electrolytes (Ten lectures, 7–28 Feb.)

**DR T. TIFFERT**

Digestion, absorption and storage (Six lectures, 1–14 Mar.)

**Practical Work**

The same continued.

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**Lectures.** Tu. Th. F. 12 Babbage Lecture Theatre

**DR S. L. DICKSON**

Energy balance and growth (Four lectures, 25 Apr.–2 May) Tu. Th. F. 12

**DR R. L. WOODS**

Temperature control (Two lectures, 3–7 May)

**Practical Work**

The same continued.
<table>
<thead>
<tr>
<th>Lectures</th>
<th>M. W. F. 9, Tu 2.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. J. Chivers and Mr. J. Grandage</td>
<td>Introduction (Two lectures, 5, 8 Oct.)</td>
</tr>
<tr>
<td>Dr. D. J. Chivers, Dr. J. M. Holmes</td>
<td>The Locomotor System (Ten lectures, 10, 12, 15, 17, 22, 24, 29, 31 Oct., 19, 20 Nov.)</td>
</tr>
<tr>
<td>Dr. S. J. Bray and Dr. D. Tannahill</td>
<td>Development (Three lectures, 5, 7, 12 Nov.)</td>
</tr>
<tr>
<td>Dr. J. M. Holmes</td>
<td>The Nervous System (Three lectures, 21, 26, 28 Nov.)</td>
</tr>
</tbody>
</table>

**Practical Work**

Dissection of the domestic animals, examination of live animals, fresh viscera, radiographs, laboratory work and other activities. (Tu. and Th. 10–12 and F. 10–12 or 2–4 and occasionally Tu. or Th. 2–4. In the Veterinary Dissecting Room and other venues.

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<table>
<thead>
<tr>
<th>Lectures</th>
<th>M. W. 9, Tu 2.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. J. Grandage and Dr. J. M. Holmes</td>
<td>The Cardiovascular System (Five lectures, 18, 22, 23, 28, 30 Jan.)</td>
</tr>
<tr>
<td>Dr. S. J. Bray</td>
<td>Development (Two lectures, 21 Jan., 18 Feb.)</td>
</tr>
<tr>
<td>Dr. J. H. Brackenbury</td>
<td>The Respiratory System (Four lectures, 4, 6, 11, 13 Feb.)</td>
</tr>
<tr>
<td>Mr. J. Grandage</td>
<td>The Urinary System (Two lectures, 20, 25 Feb.)</td>
</tr>
<tr>
<td>Dr. D. J. Chivers</td>
<td>The Digestive System (Four lectures, 27 Feb., 4, 6, 11 Mar.)</td>
</tr>
</tbody>
</table>

**Practical Work**

The same continued.

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**SECOND M. B. EXAMINATION**

**INTRODUCTION TO THE SCIENTIFIC BASIS OF MEDICINE**

Further information may be obtained from the Faculty Web site at [http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html](http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html)

Course Co-ordinator: Dr. T. W. Davies E-mail: twd10@medschl.cam.ac.uk

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**MEDICAL SOCIOLOGY**

Further information may be obtained from the Faculty Web site at [http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html](http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html)

Course Co-ordinator: Dr. T. W. Davies E-mail: twd10@medschl.cam.ac.uk

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**PREPARING FOR PATIENTS**

(Medical Students)

Further information may be obtained from the Faculty Web site at [http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html](http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html)

Dr. J. Benson, Dr. P. Henderson, Dr. J. Silverman

General Practitioner visits: Tu. 29 Jan., or 5 or 12 or 19 Feb., or Th. 17 or 24 Jan., or 14 or 21 Feb.

Dr. J. Benson, Dr. P. Henderson and Dr. J. Silverman

Review M. 2–4, 11 or 18 or 25 Feb. 4 Mar., or Tu. 2–4, 29 Jan. or 12, 19 or 26 Feb.
SECOND VET. M.B. EXAMINATION

FARM ANIMAL HUSBANDRY

Course Organiser: Dr M. A. Holmes E-mail: mah1@cam.ac.uk

Lectures will take place in the Biffen Lecture Theatre, Department of Genetics

Further information may be obtained from the Faculty Web site at http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html

Lectures.
Tu. 2
MRS P. WATSON, PROF. D. M. BROOM AND OTHERS
(Four lectures, 16, 23, 30, Oct. 6 Nov.)

Practical Work
Th. 2–4 Two sessions 24 or 31 Jan. 7 or 14 Feb.

DR C. HUGHES
Bacterial Disease Past, Present and Re-emerging; The Nature of Pathogenicity; The Bacterial – Host Interaction; Pathogenicity; Consequences of Bacterial Infection–Host Damage; Bacterial Pathogenicity in the Respiratory Tract; Bacterial Pathogenicity in the Gastrointestinal Tract; Combating Bacterial Disease; (Seven lectures, 16 Jan.–30 Jan.).

DR M. STANLEY
The Regulation of Tissue Growth and Organisation; Clinical Pathology of Tumours; Epidemiology of Tumours; Genetic Basis of Neoplasia; Causes of Cancer. (Five lectures, 1 Feb.–11 Feb.)

DR N. COLEMAN
Thrombosis, Embolism and Infarction; Atherosclerosis; Heart Failure and Hypertension. (Three lectures, 13 Feb.–18 Feb.)
MEDICAL AND VETERINARY SCIENCES TRIPOS, PART I B (continued)

MICHAELMAS 2001

HUMAN REPRODUCTION
(formerly SCIENTIFIC, SOCIAL AND ETHICAL ASPECTS OF REPRODUCTION AND POPULATIONS)
(Medical Students)

Course Organiser: Dr R. J. Barnes E-mail rjb4@cam.ac.uk
Further information may be obtained from Faculty Web Site at http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html

Lectures.
Tu. Th. 9 Anatomy Lecture Theatre
PROF. M. H. JOHNSON
Sexual differentiation. (One Lecture. 9 Oct.)
Reproductive hormones: the Sexual messengers. (11 Oct.)
Gametogenesis and ovarian cycles. (Four lectures 16, 18, 23, 25 Oct.)
DR P. N. SCOFIELD
Coition, fertilization and blastocyst development. (Two lectures, 30 Oct. 1 Nov.)
DR Y. W. LOKE
Placentation. (One lecture 6 Nov.)
DR R. J. BARNES
Maternal adaptations to pregnancy and placental physiology. (Two lectures 8, 13 Nov.)
Preparation for birth and delivery. (Two lectures, 15, 20 Nov.)
Lactation and neonatal physiology. (Two lectures, 22, 27 Nov.)

Practicals
Th. or M. 10–12 (25, 29, 30 Oct.) or Tu. 2–4 (8, 12, 13 Nov.) Physiology Department Histology Laboratory.

The same continued.

PROF. M. RICHARDS
Human genetic technologies. (One lecture 24 Jan.)
REV'D DR J. CADDICK
Principles of medical ethics (Five lectures 22, 24, 29, 31 Jan. 5 Feb.)
DR J. POWLES
Reproduction, demography and population health. (Three lectures 7, 12, 14 Feb.)

Practical Work
Th. F. 10–12 or 2–4 (7, 8 Feb.) Anatomy Procedure Room.

MECHANISMS OF DRUG ACTION

Course Organiser: Dr P. Thorn E-mail: pt207@cam.ac.uk
Further information may be obtained from the Faculty Web Site at http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html

Lectures.
Tu. Th. 12 S. 11 Physiology Main Lecture Theatre
DR C. W. TAYLOR
Drug interactions with receptors and ion channels (Five lectures, 9–18 Oct.)
DR R. MURRELL-LAGNADO
Pharmacology of peripheral neural transmissions (Six lectures 20 Oct.–1 Nov.)
DR R. M. HENDERSON
Cardiovascular and renal pharmacology* (Seven lectures, 3–17 Nov.)
DR D. R. FERGUSON
Cardiovascular and renal pharmacology† (Five lectures, 3–13 Nov.)
DR R. J. EVANS
Anthelminthics† (Two lectures 15–17 Nov.)

Practical Work
M. 2–5 or F. 2–5. (Weeks 2, 3, 5–8) A detailed timetable will be posted in the Department

* Medical students.
† Veterinary students. These lectures will be given in the Lecture Theatre, Department of Pharmacology.

Lectures.
Tu. Th. 12 S. 11 Physiology Main Lecture Theatre
DR S. R. HLADKY
Pharmacokinetics, drug metabolism, and general anaesthetics (Five lectures 17–26 Jan.)
DR M. A. BARRAND
Chemotherapy (Four lectures, 29 Jan.–5 Feb.)
DR J. M. YOUNG
Pharmacology of inflammation and immunosuppression (Five lectures 7–19 Feb.)

The same continued. (Weeks 1–5)
MEDICAL AND VETERINARY SCIENCES TRIPOS, PART I B (continued)

NEUROBIOLOGY AND ANIMAL BEHAVIOUR
(Veterinary Students)

Course Organiser: Dr S. A. Edgley E-mail: sae1000@cus.cam.ac.uk
Further information may be obtained from the Faculty Web site at http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html

NEUROBIOLOGY AND HUMAN BEHAVIOUR
(Medical Students)

Course Organiser: Dr S. A. Edgley E-mail: sae1000@cus.cam.ac.uk
Further information may be obtained from the Faculty Web site at http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html

Lectures.

M. W. 9 S. 12 (Th. 4 Oct. at 9 only M. 8 15 Oct. 10 only)
PROF. R. C. THOMAS
Introduction to CNS, Biology of Neurones, (Three lectures) Babbage Lecture Theatre
Th. 4 F. 5 S. 6 Oct.
MR J. GRANDAGE
Meninges. (One lecture) Physiology Lecture Theatre 3
M. 8 Oct.

DR C. E. HOLT
Development, Plasticity and Repair of the Nervous System. (Two lectures) Babbage Lecture Theatre
S. 13 M. 15 Oct.

DR R. J. FRANKLIN
Introduction to CNS (One lecture) Physiology Lecture Theatre 3
M. 15 Oct. 10

DR I. M. WINTER
Somatic Sensation and Pain (Three lectures) Babbage Lecture Theatre
W. 17 S. 20 M. 22 Oct.

DR P. J. RICHARDSON
Pharmacology of Pain (One lecture) Babbage Lecture Theatre
W. 24 Oct.

DR S. A. EDGLEY
The Motor System. (Five lectures) Babbage Lecture Theatre
S. 27 M. 29 W. 31 Oct. Sat. 3 M. 5 Nov.

DR M. JUUSOLA
The Visual System (Four lectures) Babbage Lecture Theatre
W. 7 S. 10 M. 12 W. 14 Nov.

DR A. C. ROBERTS
Arousal, Homeostasis and Motivation (Three lectures) W. 21 F. 23 W. 28 Nov.

Practicals

Practical classes in veterinary Neuroanatomy and special senses, in Neurophysiology (Tuesday and Thursday am), and animal behaviour as indicated in the online timetables.

Lectures.

M. W. 9 S. 12
DR H. R. MATTHEWS
Olfaction and Taste (One lecture) Babbage Lecture Theatre
W. 16 Jan.

DR J. M. HOLMES
Cranial nerves (Two lectures) Physiology Lecture Theatre 3

PROF. D. M. BROOM
Animal Behaviour (Seven lectures) Physiology Lecture Theatre 3

MR J. GRANDAGE
Sense Organs: eye (Two lectures) Physiology Lecture Theatre 3
S. 2 M. 4 Feb.

DR R. J. FRANKLIN
Veterinary Central Nervous System (One lecture) Physiology Lecture Theatre 3
F. 8 Feb.

DR P. THORN
Neuropharmacology (Three lectures) Physiology Lecture Theatre 3

The same continued.

continued >
### SPECIAL OPTION SUBJECTS

Courses will be offered in the options set out below in the two lists. Candidates are required to take one option from each list (veterinary students must take Comparative Vertebrate Biology from list 1). Each option shall be restricted to an upper limit of 90 students, apart from Experimental Psychology, which will have an upper limit of 60 students. Detailed timetables, and links to further information, are posted on the Faculty Board web site at [http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html](http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html).

#### List 1

**DEVELOPMENTAL BIOLOGY: CONCEPTS TO CLINIC**

Course Organiser: Dr R. A. H. White E-mail: rw108@mole.bio.cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures by Professor Harris, Dr Bray, Dr Brown, Dr Keynes, Dr Schofield and Dr Tannahill will be given in the Babbage Lecture Theatre on M W F. 9–10 starting on 22 Feb and practical work (W. 13 Mar. 8 May. 9–12 in the Pathology Laboratory and the Anatomy Dissecting Room Annex) and a Clinical Forum (F. 17 May. 9–10) will be held in the Babbage Lecture Theatre.</th>
</tr>
</thead>
</table>

**EXPERIMENTAL PSYCHOLOGY**

(there will be an upper limit of 60 students for this course)

Course Organiser: Dr R. McCarthy E-mail: rm107@cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures by Dr McCarthy and colleagues will be given in the Psychology Lecture Theatre on M W F. 2–3 starting on 22 Feb. and practical work M. 4 Mar. at 10–12 or 2–4 M. 11 Mar. at 10–12 or 2–4) will be held in the Psychology Practical Classroom.</th>
</tr>
</thead>
</table>

**SUBSTANCES OF ABUSE AND ADDICTION**

Course Organiser: Dr J. Morton E-mail: ajm41@cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures by Dr Morton and colleagues will be given in the Pharmacology Lecture Theatre on M. 10–11 and W. 10–11 and 2–3 starting on 25 Feb. and practical work will be held in the Pharmacology Teaching Laboratory.</th>
</tr>
</thead>
</table>

**TUMOUR BIOLOGY**

Course Organiser: Dr P. A. W. Edwards E-mail: pawe@mole.bio.cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures (3) by Dr Edwards and colleagues will be given in the Pathology Lecture Theatre on M W. 25, 27 Feb. 6 Mar. and practical classes (17 sessions) will be held in the Pathology Seminar Rooms at 10–12 and 2–4 starting on 25 Feb.</th>
</tr>
</thead>
</table>

### List 2

**APPLIED PHYSIOLOGY**

Course Organiser: Professor J. T. Fitzsimons E-mail: jft10@cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures (3) by Dr Edwards and colleagues will be given in the Pathology Lecture Theatre on M W. 25, 27 Feb. 6 Mar. and practical classes (17 sessions) will be held in the Pathology Seminar Rooms at 10–12 and 2–4 starting on 25 Feb.</th>
</tr>
</thead>
</table>

**APPLIED VETERINARY ANATOMY**

Course Organiser: Mr J. Grandage E-mail: ig5@mole.bio.cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures by Mr Grandage will be given in the Anatomy Lecture Theatre on Tu. 9–10 (one lecture) 19 Feb. and Tu. Th. 2–3 from 21 Feb; practical work will be held in the Veterinary Dissection Room on Tu. 2–4 (one session 10–12 30 Apr.)</th>
</tr>
</thead>
</table>

**INFECTIOUS DISEASE IN ANIMALS AND MAN**

Course Organiser: Dr H. Field E-mail: hjf10@cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures by Dr Field and colleagues will be given in the Pathology Lecture Theatre on Tu. Th. 11–12 and Tu. 2–3 practical work will be held on 5 Mar. 7 May. 2–4.</th>
</tr>
</thead>
</table>
Lectures:

Tu. Th. 9 Biffen Lecture Theatre
Dr A. L. FOWDEN
Reproductive Hormones (Two lectures) 9, 11 Oct.
Sexual Differentiation (One lecture) 16 Oct.
Dr A. L. FOWDEN
Gonads (Five lectures) 18, 23, 25, 30 Oct. 1 Nov.
Dr A. FORHEAD
Mating (One lecture) 6 Nov.
Dr A. FORHEAD
Fertilisation (One lecture) 8 Nov.
Dr S. ELLINGTON
Embryogenesis (One lecture) 13 Nov.
Dr S. ELLINGTON
Pregnancy (One lecture) 15 Nov.
Dr A. L. FOWDEN AND Mr J. GRANDAGE
Placenta (Two lectures) 20, 22 Nov.
Dr A. L. FOWDEN
Fetal Growth (One lecture) 27 Nov.

Practicals:

Further information may be obtained from the Faculty Web site at http://www.bio.cam.ac.uk/sbs/lsctevs/mvst.html
MEDICAL AND VETERINARY SCIENCES TRIPOS, PART Ib (continued)

PREPARING FOR THE VETERINARY PROFESSION,
(Veterinary Students)

Course Organiser: Dr P. Watson E-mail: pjw36@hermes.cam.ac.uk

Lectures will take place in the Biffin Lecture Theatre, Department of Genetics

Further information may be obtained from Faculty Web Site at http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html

Lectures.
Tu. W. Th. 12–1 F. 10–11
MR M. CORKE, MR J. HOULTON AND DR D. WILLIAMS
Veterinary Ethics (Four lectures 3, 4, 12, 19 Oct.)
DR J. SILVERMAN
Communication and the Veterinary Profession (One Lecture 26 Oct.)
DR A. PODBERSCEK
Introduction to the human-companion animal bond and the benefits of pet ownership (One Lecture 2 Nov.)
MR M. BINNS AND PROF. L. B. JEFFCOTT
Alternatives to veterinary practice (Two lectures 9, 16 Nov.)
MR A. CHRISTIE, DR G. JACKSON AND PROF. D. MASKELL
Public health, food safety, zoonotic and notifiable disease (Three lectures 22, 27, 28 Nov.)

Practical Work
Veterinary Communication, Human-companion animal bond, Visit to Waltham Centre for Pet Nutrition, Visit to the Centre for Veterinary Medicine, Debate on hunting with hounds. 26 Oct. 5, 19, 28 Nov.

SSEARP
(Medical Students)

Course organiser: Dr R. J. Barnes E-mail: rjb4@cam.ac.uk

Further information may be obtained from Faculty Web Site at http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html
MEDICAL AND VETERINARY SCIENCES TRIPOS, PART II

MICHAELMAS 2001

FOUR PAPER SUBJECTS

Mechanisms of Disease: from Process to Patient
Course Organiser: Dr J. Xuereb E-mail: jhx1000@cam.ac.uk

Lectures will be held at 10.30 a.m. daily in the Department of Physiology, Tennis Court Road. Seminars and Case Studies will be held in the same venue at 1.30 p.m. (see Departmental website for the lecture list, and timetable of case studies/seminars). Copies of the lecture list may be obtained from Dr J. Xuereb, E-mail jhx1000@cam.ac.uk, after 1 September 2001.

Pathology
Course Organiser: Dr I. Brierley E-mail: ib103@mol. bio.cam.ac.uk

This course consists of lectures from the relevant options chosen from N.S.T. Part II Pathology (see p. 194).
Option A Cellular and Genetic Pathology
Option B Immunology
Option C Microbial and Parasitic Disease
Option D Virology

Psychology
Course Organiser: Dr J. Russell E-mail: jr111@cus.cam.ac.uk

This course consists of lectures from N.S.T. Part II Psychology (see p. 200).

TWO PAPER SUBJECTS

Cellular and Molecular Pharmacology
This course of lectures from N.S.T. Part II Pharmacology (see p. 192), and must be taken together with Pharmacology of Integrated Systems course.

Clinical Physiology and Neurobiology
This course consists of lectures from Medical Aspects of Neurobiology and Topics in Clinical Physiology (NST Part II: Systems in Clinical Physiology) (see p. 196).

History of Medicine
Department of History and Philosophy of Science, Free School Lane
Prof. P. Lipton and Dr Hodges would like to see all Part II students on Wednesday 3 October at 11 a.m. in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane. Discussion of the special needs of M.V.S.T. Part II students taking the Two Paper Subject in History of Medicine will be included in this meeting.

Biological Anthropology
This course will consist of any of two Papers B3, B4 and B5, from Part II Biological Anthropology (see p. 218).

Human Impact on the Environment
Course Organiser: Dr J. R. Flowerdew E-mail: j.r.flowerdew@zoo.cam.ac.uk

Dr M. Brooke, Dr D. Briggs, Dr W. Amos, Dr A. Balmford, Dr E. V. J. Tanner, Dr J. O’Sullivan and Dr I. Hodge
Conservation Biology: M. W. F. 5 (Twenty-four lectures) Department of Zoology

Dr J. R. Flowerdew and Mr I. T. Lawton
M. W. F. 5 (Twelve lectures) Department of Zoology

continued
Pathology

Course Organiser: Dr I. Brierley E-mail: ib103@mole.bio.cam.ac.uk

This course consists of lectures taken from the relevant options chosen from N.S.T. Part II Pathology (see p. 194)

Option A Cellular and Genetic Pathology
Option C Microbial and Parasitic Disease

Pharmacology of Integrated Systems

Course Organiser: Dr J. M. Edwardson E-mail: jme1000@cam.ac.uk

This course will consist of lectures from N.S.T. Part II Pharmacology, under the section named Pharmacology of Integrated Systems (see p. 195).

Primate and Human Evolutionary Biology and Behaviour

This course will consist of Papers B6 and B7, from Part II Biological Anthropology (see p. 214).

ONE PAPER SUBJECTS

Biology of Parasitism

Course Organiser: Dr S. Lloyd E-mail: ssl1000@hermes.cam.ac.uk

Lectures will take place in the Department of Clinical Veterinary Medicine, Maudling Road, on M. W. F. 5

Introduction

The importance of Parasitism (Lecture 1)
Routes of Transmission (Lecture 2)
Development within an intermediate host (Lecture 3)
Parasite Morphology, Classification and Life Cycles (Lectures 4, 5)

Infection Mechanisms and Establishment

Exsheathment and Hatching Mechanisms, and Parasite Recognition (Lectures 6, 7, 8)
Parasite Development in Relation to Season, and Hypobiosis (Lectures 9, 10)
Parasite Population Stability (Lecture 11)

Immunity in Parasitic Infections and Pathogenic Relationship

The effect of Parasitism on the Gastrointestinal Tract, and Growth and Development of the Host (Lectures 12, 13)
Anaemia in Parasitism (Lecture 14)
Intermediate Host Responses to Parasitic Infection (Lecture 15)
Immune Mechanisms against Arthropods/Immunology (Lecture 16)
Immune Mechanisms to Tissue Helminths and Protozoa (Lectures 17, 18)
Mechanisms of Immunity to Gastrointestinal Helminths (Lecture 19)
Survival of Helminths and Protozoa in the Immunocompetent Host (Lecture 20)
Immunopathological responses in Helminths and Protozoa (Lecture 21)

Zoonoses

Taeniasis, Echinococcosis, Toxocariasis and other Larva Migrans, Toxoplasmosis, Trichinellosis and Miscellaneous Nematodes, Fish borne infections, and Water borne infections (Lectures 25–28)

Prospects for Control of Parasitic Diseases

Chemotherapy (Lectures 29, 30)
Biological Control and Importance of Symbionts (Lectures 31, 32)
Vaccination and Diagnosis (Lectures 33, 34)
Parasitism in relation to Environment, Customs, Agriculture, Food Supply (Lecture 35)

Conservation Biology

Course Organiser: Dr J. Flowerdew E-mail: j.r.flowerdew@zoo.cam.ac.uk

This course will consist of lectures from N.S.T. Part II Zoology (see p. 201).

Genetics and Behaviour

This course will consist of lectures from Paper B3, Part II Biological Anthropology (see p. 218), and Evolution and Diversity (B4) and Ecology and Adaptation (B5).
### Medical Aspects of Neurobiology

**Timetable Co-ordinator:** Dr C. L-H. Huang  
E-mail: clh11@cus.cam.ac.uk  
(Module Organisers are shown below in brackets)

<table>
<thead>
<tr>
<th>Medical Aspects of Neurobiology</th>
<th>Medical Aspects of Neurobiology</th>
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<tr>
<td><strong>Th. 10, Tu. 10 (in the Physiology main lecture theatre)</strong> (Dr J. H. Rogers)</td>
<td><strong>Th. 10, Tu. 10 (in the Physiology main lecture theatre)</strong> (Dr J. H. Rogers)</td>
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</table>
| DR R. FRANKLIN  
Demyelination and remyelination (Two lectures, 17, 22 Jan.) | DR S. UPPENKAMP  
Disorders of the auditory system (Three lectures, 24, 29, 31 Jan.) |
| DR D. J. TOLHURST  
Disorders of the visual system (Three lectures, 5, 7, 12 Feb.) | DR F. KARET AND DR K. SMITH  
Disorders of sodium handling. Physiology of the nephritic syndrome (Two lectures, 8, 13, 15 Mar.) |
| DR A. ROBERTS  
Cognitive disorders in neurobiological disease (Two lectures, 21, 26, Feb.) | PROF. I. GOODYEAR, DR P. BOLTON,  
DR T. HOLLAND AND DR E. GAINTONDE  
Scientific basis and treatment of psychiatric disorders (Four lectures, 28 Feb., 5, 7, 12 Mar.) |

### Medicine, Ethics and Law

**Course Co-ordinator:** Mr J. L. Caddick  
E-mail: jlc24@cam.ac.uk

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<th>Medical Law. Th. 4 Law Faculty</th>
<th>The same continued. Th. 4 Law Faculty</th>
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</table>
| MR J. L. CADDICK  
Medical Ethics. Tu. 4 Biffen Lecture Theatre, Department of Genetics | The same continued. Tu. 4 Department of Genetics |

### Medicine, Health and Illness

**Course Organiser:** Prof. B. Turner  
E-mail: bst22@cam.ac.uk

This course will consist of lectures from Paper 19, Part II of the Social and Political Sciences Tripos (see p. 126).

### Topics in Clinical Physiology

**Timetable Co-ordinator:** Dr C. L-H. Huang  
E-mail: clh11@cus.cam.ac.uk  
(Module Organisers are shown below in brackets)

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<thead>
<tr>
<th>Topics in Clinical Physiology</th>
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<tr>
<td><strong>W. 10, F. 10 unless otherwise stated (in Physiology Lecture Theatre 3)</strong> (Dr S. L. Dickson)</td>
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</tbody>
</table>
| DR J. BARNES  
Limitations and control of cardiovascular performance (Four lectures, 5, 10, 12, 17 Oct.) | DR S. O. SAGE  
Renal physiology. (Four lectures, 18, 23, 25, 30 Jan.) |
| DR C. ACERINI  
Effects of androgens in early fetal sex determination. Insulin action. (Two lectures, 19, 26 Oct.) | PROF. J. T. FITZSIMONS  
Renin-angiotensin Systems. (Six lectures, 1, 6, 8, 13, 15, 20 Feb.) |
| PROF. K. CHATTERJEE  
Nuclear receptors and human disease. (Two lectures, M. 9, 22, 24, Oct.) | DR J. BRADLEY  
Chronic renal failure (Two lectures, 22, 27 Feb.) |
| PROF. D. DUNGER  
Regulation function of IGF-I. Hormonal regulation pubertal growth development. (Two lectures, 2, 9 Nov.) | DR J. FIRTH  
Renal disease (Two lectures, 1, 6 Mar.) |
| DR S. L. DICKSON  
Hypothalamic control of body weight. (Three lectures, 14, 16, 21 Nov.) | DR F. KARET AND DR K. SMITH  
Disorders of sodium handling. Physiology of the nephritic syndrome (Two lectures, 8, 13 Mar.) |
| DR A. VIDAL-PUG  
Molecular mechanisms controlling energy homeosis. (Two lectures, 23, 28 Nov.) | |