<table>
<thead>
<tr>
<th>Lectures</th>
<th>M. F. 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR I. G. PARKIN</td>
<td>Introduction and Course Aims (One lecture, 9 Oct.)</td>
</tr>
<tr>
<td>PROF. M. H. JOHNSON</td>
<td>Ethics and Attitudes in Anatomy (One lecture, 12 Oct.)</td>
</tr>
<tr>
<td>DR I. G. PARKIN</td>
<td>Principles of Body Systems (Four lectures, 16, 19, 23 Oct., 16 Nov.)</td>
</tr>
<tr>
<td>DR S. EDGLEY</td>
<td>Limbs (Four lectures, 26, 30 Oct., 2, 6 Nov.)</td>
</tr>
<tr>
<td>DR I. G. PARKIN</td>
<td>Vertebral Column, Posture, Gait and Nerve Injuries (Two lectures, 20, 27 Nov.)</td>
</tr>
<tr>
<td>MR R. H. WHITAKER</td>
<td>Lymph Drainage and Breast. Thyroid Gland (Two lectures, 23, 30 Nov.)</td>
</tr>
</tbody>
</table>

**Special Periods**

PROF. M. H. JOHNSON, DR R. J. KEYNES AND OTHERS

Basic Sciences in Clinical Problems W. 9 (One Symposium, 14 Oct.)

MR R. E. J. Dyball E-mail: red1000@cus.cam.ac.uk

**Practical Work**

Dissection and Prosections*. Times according to options.

Allocation of Places. 7 Oct. at 10


Anatomy of Procedures: W. 10–12 or 2–4 (fortnightly)

---

**ANATOMY (Medical Students)**

_At the Anatomy School unless otherwise stated_

Course Organiser: Dr R. E. J. Dyball E-mail: red1000@cus.cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures</th>
<th>M. F. 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR R. H. WHITAKER</td>
<td>Cranial Cavity and Nerves (Two lectures, 15, 18 Jan.)</td>
</tr>
<tr>
<td>DR S. J. BAY</td>
<td>Embryology and Body Form: Head, Thorax and Abdomen (Four lectures, 22, 25 Jan., 15, 22 Feb.)</td>
</tr>
<tr>
<td>DR I. G. PARKIN</td>
<td>Upper Respiratory and Digestive Systems (Five lectures, 29 Jan., 1, 5 Feb., 1, 5 Mar.)</td>
</tr>
<tr>
<td>DR G. J. BURLINGTON</td>
<td>Lower Respiratory and Cardiovascular Systems (Two lectures, 19, 26 Feb.)</td>
</tr>
<tr>
<td>MR R. H. WHITAKER</td>
<td>Urinary System (One lecture, 8 Mar.)</td>
</tr>
</tbody>
</table>

**Special Periods**

DR I. G. PARKIN, DR R. J. BARNES, DR N. CARY AND DR L. SHAPIRO

Coronary Arterial Disease W. 9 (One Symposium, 24 Feb.)

**Practical Work**

Dissection and Prosections*

Anatomy of Procedures: The same continued

---

* = The Dissection Room is available to students between 10 and 12; and 2 and 4, and students should attend in accordance with their options.
### VETERINARY ANATOMY (Veterinary Students)

*In the Biffen Lecture Theatre, Department of Genetics, unless otherwise stated*

Course Organiser: Mr J. Grandage E-mail: jg3@mole.bio.cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures</th>
<th>M. W. F. 9</th>
<th>Lectures</th>
<th>M. W. F. 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR D. J. CHIVERS, MR J. GRANDAGE AND PROF. L. B. JEFFCOTT</td>
<td>Introduction to the Veterinary Course W. 12 (One lecture, 7 Oct.)</td>
<td>DR J. M. HOLMES</td>
<td>The Nervous System (continued – two lectures, 15, 18 Jan.)</td>
</tr>
<tr>
<td>Domestic Animals in Perspective (One lecture, 9 Oct.) (DJC)</td>
<td></td>
<td>DR S. J. BRAY, DR J. H. BRACKENBURY, MR J. GRANDAGE AND DR J. M. HOLMES</td>
<td>The Cardiovascular System (Seven lectures, 20, 22, 27, 29 Jan., 1, 3, 5 Feb.)</td>
</tr>
<tr>
<td>Introduction to Anatomy (One lecture, 12 Oct.) (JG)</td>
<td>The Locomotor System (Twelve lectures, 14, 16, 19, 21, 23, 26, 28, 30 Oct., 9, 11, 13, 16 Nov.)</td>
<td>DR J. H. BRACKENBURY</td>
<td>The Respiratory System (Four lectures, 8, 10, 15, 17 Feb.)</td>
</tr>
<tr>
<td>DR J. H. BRACKENBURY, DR D. J. CHIVERS, MR J. GRANDAGE AND DR J. M. HOLMES</td>
<td></td>
<td>DR D. J. CHIVERS</td>
<td>The Digestive System (Five lectures, 22, 24 Feb., 1, 3, 8 Mar.)</td>
</tr>
<tr>
<td>The Locomotor System (Twelve lectures)</td>
<td>PROF. W. A. HARRIS, DR P. SCHOFIELD AND DR D. TANNAHILL</td>
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<tr>
<td>Developmental Biology (Four lectures 2, 4, 6, 18 Nov.)</td>
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<tr>
<td>DR J. M. HOLMES</td>
<td>The Nervous System (Six lectures, 20, 23, 25, 27, 30 Nov., 2 Dec.)</td>
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</tr>
<tr>
<td>Practical Work</td>
<td>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)</td>
<td>Practical Work</td>
<td>The same continued</td>
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<thead>
<tr>
<th>Lectures</th>
<th>M. W. F. 9</th>
<th>Lectures</th>
<th>M. W. F. 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR D. J. CHIVERS</td>
<td>Digestive System (continued – three lectures, 23, 26, 28 Apr.)</td>
<td>DR J. M. HOLMES</td>
<td>The Urinary System (Three lectures, 3, 5, 10 May)</td>
</tr>
</tbody>
</table>

### SECOND M.B. EXAMINATION

**POPULATION SCIENCES**

Course organiser: Dr T. Davies E-mail: twd10@medschl.cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures</th>
<th>M. 12 (9, 16, 23, 30 Nov.)</th>
<th>Lectures</th>
<th>M. 12 (18, 25 Jan., 1, 8, 15, 22 Feb., 1, 8 Mar.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F. 12 (13, 20, 27 Nov., 4 Dec.)</td>
<td>F. 12 (15, 22, 29 Jan., 5, 12, 19, 26 Feb., 5 Mar.)</td>
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</tr>
<tr>
<td><em>Department of Anatomy Lecture Theatre</em></td>
<td><em>Department of Anatomy Lecture Theatre</em></td>
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<tr>
<td>DR T. W. DAVIES AND INVITED LECTURERS</td>
<td>DR T. W. DAVIES AND INVITED LECTURERS</td>
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### SECOND VET.M.B. EXAMINATION

**ANIMAL HUSBANDRY, AGRICULTURAL ECONOMICS AND ANIMAL BEHAVIOUR**

(Veterinary Students)

<table>
<thead>
<tr>
<th>Lectures</th>
<th>DR S. S. LLOYD,* DR M. A. HOLMES, DR C. J. C. PHILLIPS AND OTHERS</th>
<th>Lectures</th>
<th>PROF. D. M. BROOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Husbandry and Agricultural Economics (Twelve lectures)</td>
<td>Animal Behaviour (Ten lectures).</td>
<td>M. 12 (18, 25 Jan., 1, 8, 15 Feb.)</td>
<td></td>
</tr>
<tr>
<td>M. 12 (26 Oct., 2, 9, 16, 23, 30 Nov.)</td>
<td>F. 12 (15, 22, 29 Jan., 5, 12 Feb.)</td>
<td><em>Biffen Lecture Theatre</em></td>
<td></td>
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<tr>
<td>F. 12 (30 Oct., 6, 13, 20, 27 Nov., 4 Dec.)</td>
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</tr>
<tr>
<td><em>Department of Clinical Veterinary Medicine</em></td>
<td><em>Biffen Lecture Theatre</em></td>
<td></td>
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</tr>
</tbody>
</table>

* Course Organisers. Dr Holmes telephone no. 37636 or 37632, Professor Broom telephone no. 37697 or 37632.

**ANIMAL HANDLING AND HUSBANDRY** (Veterinary Students)

All first year veterinary students are strongly advised to attend the practical course in Animal Handling and Husbandry held at the Department of Clinical Veterinary Medicine from M. 7 Dec. to Th. 10 Dec. 1998. There is also the opportunity to attend a two-week course in Livestock Management at the Berkshire College of Agriculture during the summer vacation.

*continued >*
### BIOCHEMISTRY

**Course Co-ordinator:** Dr P. H. Rubery E-mail: phr2@cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures</th>
<th>Tu. Th. 9, S. 10.30 Department of Physiology unless otherwise stated</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR A. R. C. RAINE</td>
<td>Macromolecules of life: how proteins and enzymes work (Eleven lectures, 8–31 Oct.)</td>
</tr>
<tr>
<td>DR P. H. RUBERY</td>
<td>Carbohydrate and lipid metabolism; interconversion of molecules; breakdown, build-up and integrated control (Nine lectures, 3–21 Nov.)</td>
</tr>
<tr>
<td>DR I. ARKIN</td>
<td>Membranes and transmembrane signalling (Four lectures, 24 Nov.–1 Dec.)</td>
</tr>
</tbody>
</table>

**Practical Work** Department of Genetics, top floor
M. or Tu. or W. or Th. or F. 10 (Four hours)

<table>
<thead>
<tr>
<th>Lectures</th>
<th>Tu. Th. 9, S. 10.30 Department of Physiology unless otherwise stated</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR C. J. R. THORNE</td>
<td>Bioenergetics: energy from metabolism (Four lectures, 14–21 Jan.)</td>
</tr>
<tr>
<td>DR R. J. JACKSON</td>
<td>The metabolism of several important molecules that contain nitrogen (Four lectures, 23–30 Jan.)</td>
</tr>
<tr>
<td>MRS P. J. WATSON</td>
<td>Nutrition: foods, fuels and their fate (Three lectures, 2–6 Feb., Medical Students)</td>
</tr>
</tbody>
</table>

**Medical Genetics**

**Course Co-ordinator:** Dr R. L. Tapp E-mail: rlta@cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures</th>
<th>Tu. Th. 9, S. 10.30 Department of Physiology unless otherwise stated</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR R. L. TAPP</td>
<td>Breathing and blood gases (Nine lectures, 14 Jan.–2 Feb.)</td>
</tr>
<tr>
<td>DR J. W. FAWCETT</td>
<td>Renal Physiology and body fluid homeostasis (Eleven lectures, 4–27 Feb.)</td>
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</tbody>
</table>

**Practical Work**

<table>
<thead>
<tr>
<th>Medical Students</th>
<th>Veterinary Students</th>
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<tbody>
<tr>
<td>The same continued</td>
<td>The same continued</td>
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</tbody>
</table>
### ANATOMY (Medical Students)

**Tu. Th. 9 at the Anatomy School, M. W. F. 9 in the Physiology Lecture Theatre**

Course Organiser: Dr R. E. J. Dyball Email: red1000@cus.cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures</th>
<th>Practical Work</th>
<th>Special Periods</th>
<th>Lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR R. WHITAKER AND DR I. G. PARKIN Functional and Applied Anatomy of Head and Neck (Six lectures, 8, 15, 22, 27 Oct., 5, 12 Nov.) PROF. M. H. JOHNSON AND OTHERS Reproductive Biology – A Joint Course of Anatomy and Physiology, see page 164. DR R. J. KEYNES Development of Face, Head and Neck. (Four lectures, 13, 20, 29 Oct, 3 Nov.) PROF. W. A. HARRIS Development of Ear and Eye (Two lectures, 19, 26 Nov.)</td>
<td>Head and Neck Prosections* Allocation of places. 7 Oct. at 2 Laboratory Classes. M. 10–12 or 2–4</td>
<td>Clinical Demonstration. Head and Neck. 3 Dec. 10–12 or 2–4, at Clinical School, Hills Road</td>
<td>Neurobiology – A Joint Course of Anatomy and Physiology, see page 162.</td>
</tr>
<tr>
<td>Lectures Neurobiology – A Joint Course of Anatomy and Physiology, see page 162.</td>
<td>Practical Work Examination and Microscopy of the Brain Laboratory classes M. 10–12 or 2–4 Th. 2–4 or F. 10–12</td>
<td>Special Periods Clinical Demonstration. Neurological Disorders. 11 Mar. 10–12 or 2–4 at Clinical School, Hills Road</td>
<td>Practical Work Class times as for Lent Term</td>
</tr>
</tbody>
</table>

* = The Dissecting Room is available to students between 10–12 and 2–4, and students should attend in accordance with their options.

### VETERINARY ANATOMY (Veterinary Students)

**In the Biffen Lecture Theatre, Department of Genetics unless otherwise stated**

Course Organiser: Mr J. Grandage Email: jg3@mole.bio.cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures</th>
<th>Practical Work</th>
<th>Lectures</th>
<th>Practical Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tu. Th. 9 Biffen Lecture Theatre; S. 11 Department of Anatomy DR R. E. J. DYBALL, MR J. GRANDAGE, PROF. W. A. HARRIS AND DR J. M. HOLMES The Nervous System (Eleven lectures, 8, 10, 13, 15, 17, 20, 22, 24, 27, 29, 31 Oct.) DR G. J. BURTON AND MR J. GRANDAGE The Reproductive System (Nine lectures, 3, 5, 7, 12, 14, 19, 21, 26, 28 Nov.)</td>
<td>Dissection of the domestic animals, examination of live animals, fresh viscera, radiographs and other activities (M. W. 10–12 and W. 2–4. In the Veterinary Dissecting Room and other venues)</td>
<td>Tu. 9 Biffen Lecture Theatre, M. W. F. 10, S. 11 Department of Anatomy MR J. GRANDAGE Comparative Vertebrate Anatomy (Eight lectures, 14, 21, 28 Jan., 4, 11, 18, 25, Feb., 4 Mar.)</td>
<td>The same continued at the following times (M. W. 10–12. In the Veterinary Dissecting Room and other venues)</td>
</tr>
<tr>
<td>Lectures Th. 9 DR J. H. BRACKENBURY Regional Anatomy (Six lectures, 24, 26, 27, 28 Apr., 1, 4 May.)</td>
<td>Practical Work The same continued at the following times (M. W. 10–12. In the Veterinary Dissecting Room and other venues)</td>
<td>Lectures Tu. 9 Biffen Lecture Theatre, M. W. F. 10, S. 11 Department of Anatomy MR J. GRANDAGE Regional Anatomy (Six lectures, 24, 26, 27, 28 Apr., 1, 4 May.)</td>
<td>Practical Work The same continued at the following times (M. W. 10–12. In the Veterinary Dissecting Room and other venues)</td>
</tr>
</tbody>
</table>

continued >
NEUROBIOLOGY (Medical Students)

Course Organiser: Dr H. R. Matthews E-mail: hrm1@cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures</th>
<th>M. Tu. W. F. 9 Babbage Lecture Theatre; Th. 9, 8, 10, 30 Department of Anatomy</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR R. J. KEYNES</td>
<td>Introduction to the brain (One lecture, 14 Jan.)</td>
</tr>
<tr>
<td>PROF. R. C. THOMAS</td>
<td>The excitable cell. Sensory receptors (Four lectures, 15, 16, 18, 20 Jan.)</td>
</tr>
<tr>
<td>DR A. L. R. FINDLAY</td>
<td>The somatic sensory system. Pain (Five lectures, 21, 23, 25, 27, 28 Jan.)</td>
</tr>
<tr>
<td>DR S. A. EDGLEY</td>
<td>The motor system (Nine lectures, 30 Jan., 1, 3, 4, 6, 8, 10, 11, 13 Feb.)</td>
</tr>
<tr>
<td>DR R. C. HARDIE</td>
<td>The visual system (Seven lectures, 15, 17, 18, 20, 22, 24, 25 Feb.)</td>
</tr>
<tr>
<td>PROF. A. C. CRAWFORD</td>
<td>The auditory system (Three lectures, 27 Feb., 1, 3 Mar.)</td>
</tr>
<tr>
<td>DR A. ROBERTS</td>
<td>Neurobiology of emotion (Three lectures, 4, 6, 8 Mar.)</td>
</tr>
<tr>
<td>DR R. J. KEYNES</td>
<td>Blood-brain barrier. Cerebrospinal fluid and cerebral blood flow (Two lectures, 9, 10 Mar.)</td>
</tr>
</tbody>
</table>

PATHOLOGY

Course Organiser: Dr D. E. Bowyer E-mail: david.bowyer@mole.bio.cam.ac.uk

<table>
<thead>
<tr>
<th>Lectures</th>
<th>M. W. F. 12 Chemical Laboratory Lecture Theatre</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR Y. W. LOKE</td>
<td>Mechanisms of Acute Inflammation</td>
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<td></td>
<td>Healing</td>
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<tr>
<td>DR N. HOLMES</td>
<td>Persistent Inflammation (Four lectures, 9–16 Oct.)</td>
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<tr>
<td>DR N. HOLMES</td>
<td>The Immune System: Organs and Cells</td>
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<td>B Cells and Antibodies</td>
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<td>The Major Histocompatibility Complex</td>
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<td>T Cells</td>
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<td></td>
<td>Cellular Interactions: Cytokines</td>
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<td></td>
<td>The Complement System</td>
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<td>Tolerance</td>
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<td>Autoimmunity</td>
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<td>Hypersensitivity and Chronic Inflammation (Nine lectures, 19 Oct.–6 Nov.)</td>
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<tr>
<td>DR Y. W. LOKE</td>
<td>Transplantation. Blood Groups (One lecture, 9 Nov.)</td>
</tr>
<tr>
<td>PROF. A. C. MINSON</td>
<td>The Nature of Viruses</td>
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<td>Virus replication</td>
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<td>Host Cell Modification</td>
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<td>Acute Virus Infection</td>
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<td>The Response to Infection</td>
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<td>Persistent and Latent Infection</td>
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<td></td>
<td>Mechanisms of Viral Pathogenesis</td>
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<td></td>
<td>Control of Virus Infection</td>
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<tr>
<td></td>
<td>Spongiform Encephalopathy: BSE and CJD (Nine lectures, 13 Nov. –2 Dec.)</td>
</tr>
</tbody>
</table>
## Lectures (continued)

### PATHOLOGY (continued)

- **Dr. M. A. Stanley**
  - Alterations in Tissue and Organ Growth
  - Nomenclature and Behaviour of Neoplasms
  - Experimental Tumour Biology
  - Cancer as a Genetic Disease I
  - Cancer as a Genetic Disease II
  - Mechanisms of Invasion and Metastasis
  - Causes of Human Cancer: Chemical and Physical Carcinogens
  - Causes of Human Cancer: Biological Carcinogens
  - (Eight lectures, 24 Feb. – 12 Mar.)

- **Practical Work**  
  - Department of Pathology
  - Tu. 10–12 and Th. 2–4 or Tu. 2–4 and Th. 10–12 or W. F. 10–12 or 2–4

### PHARMACOLOGY

Course Organiser: Dr. P. Thorn  
E-mail: pt207@cam.ac.uk

**Lectures.**  
Tu. Th. S. 12  
Physiology Main Lecture Theatre

- **Dr. J. M. Edwardson**
  - Introduction (One lecture, 8 Oct.)
  - Drug interactions with receptors and ion channels
  - (Eight lectures, 10–27 Oct.)

- **Dr. R. M. Henderson**
  - Pharmacology of peripheral neural transmission
  - (Six lectures, 29 Oct.–10 Nov.)

- **Dr. C. R. Hiley**
  - Cardiovascular and renal pharmacology
  - (Nine lectures, 12 Nov.–1 Dec.)

**Practical Work.**  
M. 2–5 or F. 2–5.

A detailed timetable will be posted in the Department.

**Lectures.**  
Tu. Th. S. 12  
Physiology Main Lecture Theatre

- **Dr. S. B. Hladky**
  - Pharmacokinetics and drug metabolism
  - (Five lectures, 14–23 Jan.)

- **Dr. E. K. Matthews**
  - Pharmacology of inflammation and immunosuppression
  - (Five lectures, 26 Jan.–4 Feb.)

- **Dr. M. A. Barrand**
  - Chemotherapy (Five lectures, 6–16 Feb.)

- **Dr. A. J. Morton**
  - Central nervous system (Medical students)
  - (Nine lectures, 18 Feb.–9 Mar.)

- **Dr. R. J. Evans**
  - Anthelmintics (Veterinary students)
  - (Two lectures, 18, 20 Feb.)

- **Dr. C. Bryant**
  - Veterinary Pharmacology (Two lectures, 23, 25 Feb.)

- **Dr. E. Thorn**
  - Central nervous system (Veterinary students)
  - (Five lectures, 27 Feb.–9 Mar.)

**Practical Work.**  
The same continued

### PHYSIOLOGY

Course Organiser: Dr. J. C. Hickson  
E-mail: jcdh1@cus.cam.ac.uk

**Lectures.**  
M. W. F. 9  
Main Physiology Lecture Theatre

- **Dr. A. P. Hillier**
  - Endocrinology (Ten lectures, 9–30 Oct.)

- **Dr. W. H. Colledge**
  - Reproduction (Eight lectures, 2–18 Nov.)

- **Dr. J. C. D. Hickson**
  - Fetal, neonatal and maternal physiology (Six lectures, 20 Nov.–2 Dec.)

**Practical Work.**  
Tu. 10–12 or Th. 2–4

**Lectures.**  
M. W. F. 9  
Main Physiology Lecture Theatre

- **Dr. H. R. Matthews**
  - Synapses and sensory receptors (Four lectures, 15–22 Jan.)

- **Dr. D. J. Tolhurst**
  - Somatosensory and pain (Four lectures, 25 Jan.–1 Feb.)

- **Dr. H. R. Matthews**
  - Neurophysiology of vision (Six lectures, 3–15 Feb.)

- **Dr. I. M. Winter**
  - Control of movement and posture
  - (Six lectures, 17 Feb.–1 Mar.)

**Practical Work.**  
Tu. 10–12

- **Dr. H. R. Matthews**
  - Taste and smell (One lecture, 23 Apr.)

- **Dr. R. H. S. Carpenter**
  - Higher functions of the nervous system
  - (Five lectures, 26 Apr.–5 May)

- **Dr. J. H. Rogers**
  - Developmental neurobiology (Four lectures, 7–14 May)

**Practical Work.**  
Tu. 10–12 or Th. 2–4

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

Course organiser: Dr J. C. D. Hickson E-mail: jcdh1@cam.ac.uk

**Lectures.** Tu. 9, S. 11 Biffen Lecture Theatre

**Dr. A. V. Edwards**
- Introduction; Motility of the ruminant stomach (Four lectures, 16, 19, 23, 26 Jan.)
- Digestion, absorption and intermediary metabolism in ruminant and non-ruminant herbivores (Seven lectures, 30 Jan., 2, 6, 9, 13, 16, 20 Feb.)
- Reproduction, pregnancy and parturition in domestic species (Five lectures, 23, 27 Feb., 2, 6, 9 Mar.)

**Demonstration classes**
- W. 2.15 Main Physiology Lecture Theatre, except where otherwise stated
- Details will be posted in the Physiological Laboratory at the start of the Lent Term

**Lectures.** Th. 9 Biffen Lecture Theatre

**Dr. R. J. Barnes**
- Reproduction and lactation in marsupials (One lecture, 22 Apr.)
- Calcium metabolism in ruminants – physiological basis of milk fever. (One lecture, 29 Apr.)
- Lactation and transfer of passive immunity (Two lectures, 6, 13 May)

**Demonstration classes**
- Main Physiology Lecture Theatre
- Prof. A. D. Care
- Acute ruminant hypomagnesaemia – its physiological basis. W. 3.30 (One class, 28 Apr.)
- Revision Seminar. W. 2.15 (12 May)

PSYCHOLOGY

Course Organiser: Professor B. J. Everitt E-mail: bje10@cus.cam.ac.uk

**Lectures.** Tu. 9 Anatomy School; F. 9 Babbage Lecture Theatre

**Prof. B. J. Everitt**
- Psychobiology of Emotion, Anxiety and Depression (Four lectures, 19, 22, 26, 29 Jan.)
- Psychopathology (Four lectures, 2, 5, 9, 12 Feb.)
- Experimental Psychopathology of Anxiety and Depression (Two lectures, 16, 19 Feb.)
- Cognitive and Social Development (Two lectures, 23, 26 Feb.)
- Intelligence (Two lectures, 2, 5 Mar.)

**Lectures.** W. 9, F. 12 Anatomy School

**Dr. R. A. McCarthy**
- Neuropsychology (Three lectures, 28, 30 Apr., 5 May)
- Attention and Memory (Three lectures, 7, 12, 14 May)

REPRODUCTIVE BIOLOGY

Course Organiser: Professor M. H. Johnson E-mail: mhj@mole.bio.cam.ac.uk

**Lectures.** M. W. F. 9 Babbage Lecture Theatre; Tu. 9 Department of Anatomy

**Prof. A. Surani**
- Sexual differentiation
- Gametogenesis
- Structure and function of the male and female reproductive organs
- Reproductive cycles and their neuroendocrine control (Six lectures, 2, 4, 6, 9, 10, 11 Nov.)
- Dr. G. Burton
- Fertilization and implantation
- Placentaion
- Maternal Physiology during pregnancy
- Fetal development
- Assisted conception (Five lectures, 13, 16, 17, 18, 20 Nov.)
- Dr. R. J. Barnes
- Preparations for birth
- Parturition
- Neonatal physiology
- Parental behaviour and lactation (Four lectures, 23, 25, 27, 30 Nov.)
A candidate must offer

**either**

- two special Subjects and one Elective Subject
- one Special Subject, one subject from Part IB of the Natural Tripos (listed below) and one Elective Subject
- and a dissertation or project report associated with either one of the Special Subjects or one of the Elective Subjects

Details of the restrictions on offering certain combinations of subjects and of which subjects offer a Dissertation or project report are published in *Reporter*, 11 March 1998, p. 491.

### SPECIAL SUBJECTS

#### Cellular and Molecular Pharmacology

Course Organiser: Dr B. A. Callingham  
E-mail: bac5@cam.ac.uk

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

#### Cellular Pathology: Pathology A

Course Organiser: Dr M. Clark  
E-mail: mrc7@cam.ac.uk

This course consists of lectures from N.S.T. Part II Pathology on M. W. F. 9 (see p.190).

#### Clinical Physiology and Neurobiology

This course consists of lectures from N.S.T. Part II Physiology, Modules 6 and 7 (see p. 194).

#### History of Medicine, Body and Mind

*Department of History and Philosophy of Science, Free School Lane*

This course will consist of Papers 6 and 7 from Part II History and Philosophy of Science (see p. 188). Prof. Lipton would like to see all Part II students on Wednesday, 7 October at 2.15 p.m. in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane.

#### Human Genetics and Ecology

This course will consist of Papers B4 and B5 from Part IIB (New Regulations), Biological Anthropology (see p. 211).

#### Human Impact on the Environment

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

#### Mechanisms of Disease: from Process to Patient, (A) and (B)

Course Co-ordinator: Dr J. H. Xuereb  
E-mail: jhx1000@cus.cam.ac.uk with Dr S. Thiru and Dr N. Coleman

**Lectures**

**DR P. ROHANI, DR P. GRUBB, DR W. AMOS, PROF. T. CLUTTON-BROCK, DR T. COULSON, DR H. JONES AND DR A. HECTOR**

M. W. F. 5  
(Twenty-four lectures)

**Department of Plant Sciences**

**DR M. BROOKE, DR W. AMOS, DR P. GRUBB, DR A. BALMFORD, DR D. BRIGGS AND DR I. HODGE**

Conservation Biology.  
M. W. F. 5 (Twenty-four lectures)  
**Department of Zoology**

**DR J. XUEREB**

**Introductory Lecture (6 Oct.)**

**Pathogens and Disease**

**DR A. LEVER**

- Molecular biology of Human Immunodeficiency Virus (7 Oct.)
- Pathogenesis of AIDS (8 Oct.)

**DR A. CARMICHAEL**

- Immunological controls of HIV infection (9 Oct.)
- Sepsis and the host's response to infection (13 Oct.)

**DR M. FARRINGTON**

- HTLV-I infection and pathogenesis (12 Oct.)
- Pneumonia – racing against the escalator (14 Oct.)

**DR N. BROWN**

- Immunopathological response to mycobacterial infection (15 Oct.)

**DR D. WIGHT**

- Helicobacter and associated pathophysiology (16 Oct.)
- Viral hepatitis I and II (19, 20 Oct.)

**DR A. LEVER**

- Mechanisms and consequences of microbial invasion of the central nervous system (21 Oct.)

**PROF. A. MINSON**

- Prions (22 Oct.)

**Tumour Biology**

**PROF. E. D. WILLIAMS**

- Carcinogenesis, environment and growth control (12 Jan.)
- Infection and cancer – molecular biology of cervical cancer (13 Jan.)
- Molecular biology of breast cancer (14 Jan.)
- Molecular biology of lung cancer (15 Jan.)
- Leukaemia I: Transcriptional regulation of haemopoesis (18 Jan.)
- Leukaemia II: Molecular Pathology (19 Jan.)
- The Langerhans cell and histiocytic disorders (20 Jan.)
- Biology of neoplasms in children (21 Jan.)

**PROF. V. F. COLLINS**

- Cerebral glomas: pathology and molecular biology (22 Jan.)

**DR N. COLEMAN**

- Tumour immunology (25 Jan.)

**Pathophysiology of some organ-based/systemic diseases Kidney**

**DR S. THIRU**

- Pathophysiology of progressive renal disease (20 Apr.)
- Mechanism of renal damage in Diabetes Mellitus (21 Apr.)

**DR N. CARY**

- Biology of myocardium hypertrophy (22 Apr.)
- Primary dysfunction of myocardium: cardiomyopathy, myocarditis (23 Apr.)
- Molecular basis of drug action on the heart (26 Apr.)

**PROF. P. WEISSBERG**

- Atherosclerosis I and II (27, 28 Apr.)
- Biological and molecular pathology of haemostasis (29 Apr.)
- Disseminated intravascular coagulation (30 Apr.)
Mechanisms of Disease: from Process to Patient, (A) and (B) (continued)
Pharmacology of Integrated Systems
Course Organiser: Dr B. A. Callingham E-mail: bac5@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. 191).

Primate and Human evolutionary Biology and Behaviour
The course will consist of Papers B6 and B7 from Part IIB (New Regulations), Biological Anthropology (see p. 211).

THE FOLLOWING SPECIAL SUBJECT IS NOT AVAILABLE IN 1998–1999:
- Immunology: Pathology B
- Microbial and Parasitic Disease: Pathology C
- Virology: Pathology D
- Genetic Pathology: Pathology E

ELECTIVE SUBJECTS

4. Human Genetics and Variation

5. Human Nutrition

Lectures
DR E. L. MILLER AND STAFF OF DUNN NUTRITION UNIT AND ADDENBROOKE’S HOSPITAL
Tu. Th. 12 (Sixteen lectures) Mill Lane Lecture Room 4

A detailed topic list will be available from the Course Organiser, Dr E. L. Miller, Nutrition Laboratory, Department of Clinical Veterinary Medicine, 307 Huntingdon Road. Tel. (3)37056/8, E-mail: elm1@cam.ac.uk.

6. Medical Aspects of Neurobiology
Course Organiser: Dr J. W. Fawcett E-mail: jf108@cam.ac.uk

Lectures
Tu. Th. 10 In the Physiology Main Lecture Theatre (Dr J. W. Fawcett)
DR J. MORTON
Neurodegeneration. (Four lectures, 8, 13, 15, 20 Oct.)
DR J. W. FAWCETT
Recovery from injury and regeneration. (Three lectures, 22, 27, 29 Oct.)
DR S. DUNNETT
Brain Grafting. (Two lectures, 3, 5 Nov.)
PROF. J. PICKARD AND MR P. KIRKPATRICK
Cerebrospinal fluid, raised intracranial pressure, Stroke, CNS injury. (Four lectures, 10, 12, 17, 19 Nov.)
DR J. HUNTER
Development of CNS pharmaceutical compounds (One lecture, 24 Nov.)
DR R. FRANKLIN
Demyelination and remyelination (Two lectures, 26 Nov., 1 Dec)

Tu. Th. 10 In the Physiology Main Lecture Theatre unless otherwise stated (Dr J. W. Fawcett)
DR I. M. WINTER
Hearing disorders (Three lectures, 14, 19, 21, Jan.)
DR D. J. TOLHURST
Disorders of vision and visual assessment (Three lectures, 26, 28 Jan., 2 Feb.)
DR R. BARKER
Relief of acute and chronic pain (Two lectures, 4, 9 Feb.)
DR A. ROBERTS
Cognitive disorders in neurological disease (Two lectures, 18, 23 Feb.)
PROF. I. GOODYEAR, DR A. HOLLAND AND DR P. BOLTON
Scientific basis and treatment of psychiatric disorders (Four lectures, 25 Feb., 2, 4, 9 Mar.)

7. Medicine, Ethics and the Law
Course Co-ordinator: Mr J. L. Caddick E-mail: jlc24@cam.ac.uk, tel. (3)34264

Lectures and seminars take place on Tu. Th. 4 in the Department of Genetics on the Downing Site, and in the Law Faculty, as indicated

DR J. KEOWN
Medical Law. Th. 4 Law Faculty Lecture Theatre LG17
Introduction to Medical Law. Tu. 4 (Two lectures, 13, 20 Oct.) Biffen Lecture Theatre
MR J. L. CADDICK
Medical Ethics. Tu. 4 (Six seminars, 27 Oct., 3, 10, 17, 24 Nov., 1 Dec.) Department of Genetics, Room 66

The same continued. Th. 4 Law Faculty
The same continued. Tu. 4 Department of Genetics
MEDICAL AND VETERINARY SCIENCES TRIPOS, PART II (GENERAL) (continued)

MICHAELMAS 1998

9. Medicine, Health and Illness
Course Organiser: Dr C. Todd E-mail: cjt@cam.ac.uk

All lectures take place in Room 606, Centre for Family Research unless otherwise stated

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Childbirth and the Ritual Process W. 9 (weeks 1–4)

The Politics of Disability F. 2–4 (weeks 1 and 3)

Health Psychology Th. 4

Health Politics and Policy Tu. 12 (weeks 5–8)

Hysteria – a gendered illness Tu. 12 (weeks 1–4)

The same continued M. 5

The same continued Tu. 11

10. Topics in Clinical Physiology
Course Organiser: Dr R. J. Barnes E-mail: rbj4@cam.ac.uk

W. F. 10 In the Biffen Lecture Theatre

| DR. R. J. BARNES          | Physiological aspects of renal disease (Six lectures, 15, 20, 22, 27, 29 Jan., 3 Feb.) |                     |
|---------------------------|------------------------------------------------------------------------------------------|                     |
| Cardiovascular physiology, regulation of cardiac output, reflex control of the circulation, hypoxia and chemoreceptors (Six lectures, 9, 14, 16, 21, 23, 28 Oct.) |                               |                     |
| PROF. J. T. FITZSIMONS    | Hypertension (Four lectures, 5, 10, 12, 17 Feb.)                                         |                     |
| Oedema, shock and heart failure (Five lectures, 4, 6, 11, 13, 18 Nov.) |                               |                     |
| DR. A. ODORO              | The abnormal physiology of cardiac ischaemia, left ventricular overload and pulmonary hypertension (Five lectures, 24, 26 Feb., 3, 5, 10 Mar.) |                     |
| DR. J. BRADLEY, DR. K. SMITH AND DR. J. FIRTH |                               |                     |
| Physiological aspects of renal disease (Six lectures, 15, 20, 22, 27, 29 Jan., 3 Feb.) |                               |                     |
| PROF. J. T. FITZSIMONS    | Hypertension (Four lectures, 5, 10, 12, 17 Feb.)                                         |                     |
| DR. M. C. PETCH           | The abnormal physiology of cardiac ischaemia, left ventricular overload and pulmonary hypertension (Five lectures, 24, 26 Feb., 3, 5, 10 Mar.) |                     |
| DR. A. ODORO              |                                                                                       |                     |