

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 (6 Oct.) Professor Sir Keith Peters and Dr A. L. R. Findlay (Medical Students) *Anatomy Lecture Theatre*

W. 11 (6 Oct.) Mr J. Grandage, Dr D. Chivers, Professor L. B. Jeffcott and Dr A. L. R. Findlay (Veterinary Students) *Biffen Lecture Theatre*

MICHAELMAS 1999

LENT 2000

EASTER 2000

ANATOMY

(Medical Students)

At the Anatomy School unless otherwise stated

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

Lectures. M. F. 9

DR I. G. PARKIN

Anatomy, General Principles and Course Aims.
(One lecture, 8 Oct.)

DR G. J. BURTON

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

DR I. G. PARKIN

Musculo-Skeletal System: Bones, Joints and Muscles
(Two lectures, 15, 18 Oct.)

DR I. G. PARKIN

Principles of Body Systems (Nervous and
Cardiovascular) (Two lectures, 22, 25 Oct.)

PROF. A. DIXON

Imaging (One lecture, 5 Nov.)

DR S. A. EDGLEY

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

DR I. G. PARKIN

Principles of Lymphatic Drainage and Breast.
(One lecture, 15 Nov.)

DR S. J. BRAY

Embryology (Two lectures, 19, 22 Nov.)

DR I. G. PARKIN

Nerve Injuries (One lecture, 26 Nov.)

Principles of Fascia (One lecture, 29 Nov.)

Special Periods

DR G. J. BURTON, DR R. J. KEYNES AND OTHERS

Basic Sciences in Clinical Problems. W. 9
(One symposium, 13 Oct.)

DR I. G. PARKIN

Clinical Demonstration. Th. 10–12 (2 Dec.)

Practical Work

Dissection and Prosections*. Times according to
options.

Allocation of Cadavers and Introduction to
Anatomy. W. 10 (6 Oct.)

Dissection/Prosection Vertebral Column. Th. 10–12
(7 Oct.) or F. 2–4 (8 Oct.)

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

Lectures. M. F. 9

DR I. G. PARKIN

Cranial Cavity and Meninges (One lecture,
21 Jan.)

MR R. H. WHITAKER

Principles of Head, Neck, Autonomics and
Cranial Nerves (Three lectures, 24, 28,
31 Jan.)

The Ear (One lecture, 4 Feb.)

Larynx (One Lecture, 7 Feb.)

DR I. G. PARKIN

Chewing and Swallowing (One lecture,
11 Feb.)

DR G. J. BURTON

Lungs, Pleura and Respiration (One lecture,
18 Feb.)

Heart (One lecture, 21 Feb.)

DR S. J. BRAY

Embryology (continued).

Cardiovascular and G.I.T. (Two lectures,
25, 28 Feb.)

DR I. G. PARKIN

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

MR R. H. WHITAKER

Principles of Peritoneum and G.I.T.
Innervation (One lecture, 6 Mar.)

Special Periods

DR I. G. PARKIN

Clinical Demonstration. S. 2–4 (17 Mar.)

Practical Work

Dissection and Prosections*

Anatomy of Procedures. The same continued

Lectures. M. F. 9

MR R. H. WHITAKER

Urinary Continence and Incontinence (One
lecture, 28 Apr.)

Rectum and Anal Canal (One lecture, 1
May)

Male Reproductive Tract (One lecture, 5
May)

DR I. G. PARKIN

Female Reproductive Tract (One lecture, 8
May)

DR S. J. BRAY

Embryology (continued): Urogenital (One
lecture, 12 May)

MR R. H. WHITAKER

Abdominal Wall, Hemias and Inguinal
Canal (One lecture, 15 May)

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.

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART IA (continued)

MICHAELMAS 1999

LENT 2000

EASTER 2000

BIOCHEMISTRY AND MEDICAL GENETICS

In the Babbage Lecture Theatre, New Museums Site, unless otherwise stated.

NOTE that in the Michaelmas and Easter Terms there are three lectures per week (Tu. Th. 9, S. 11) and in the Lent Term there are two lectures per week (Tu. Th. 9)

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

Lectures. Tu. Th. 9, S. 11

DR A. R. C. RAINE

Macromolecules of life: how proteins and enzymes work
(Eleven lectures, 7–30 Oct.)

DR P. H. RUBERY

Metabolism and bioenergetics (Nine lectures, 2–20 Nov.)

DR I. ARKIN

Membranes and transmembrane signalling
(Four lectures, 23–30 Nov.)

Lectures. Tu. Th. 9

DR I. ARKIN

Membrane biogenesis and the way proteins
cross the membrane barriers
(Four lectures, 20 Jan.–1 Feb.)

DR N. M. STANDART

The genetic code: its molecular nature,
creation and expression as protein.
(Five lectures, 3–17 Feb.)

DR A. M. TOLKOVSKY

The control of gene expression (Four lectures,
22 Feb.–2 Mar.)

DR C. J. BATES

Topics in human nutrition (Three lectures,
7–14 Mar.) (**Medical Students**)

MRS P. J. WATSON

Veterinary nutrition (Three lectures,
7–14 Mar.) *Department of Biochemistry,
Downing Site building (Veterinary
Students)*

Lectures. Tu. Th. 9, S. 11

DR J. BARRETT, DR A. P. JACKSON AND

DR D. W. MACDONALD

Medical and biochemical genetics
(Twelve lectures, 27 Apr.–23 May)

Some of these lectures, for Veterinary
Students, will be held in the *Department
of Biochemistry, Downing Site building*

Practical Work*Department of Biochemistry*

M. or Tu. or W. or Th. or F. 10 (Four hours)

Practical Work

The same continued. *Department of
Biochemistry*

Practical Work

The same continued. *Department of
Biochemistry*

PATHOLOGY

(For Medical and Veterinary Students who previously offered Physiology in Natural Sciences Tripos Part IA)
The timetable for Pathology is given under MVST Part IB, (page 155)

PHYSIOLOGY

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

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

DR R. H. S. CARPENTER

Cellular electrophysiology and nerve (Eight lectures,
7–23 Oct.)

DR C. L-H. HUANG

Physiology of muscle (Six lectures, 26 Oct.–6 Nov.)

DR R. J. BARNES

Cardiovascular system and autonomic nervous system
(Ten lectures, 9–30 Nov.)

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

DR R. L. TAPP

Breathing and blood gases (Nine lectures,
20 Jan.–8 Feb.)

DR J. W. FAWCETT

Renal Physiology and body fluid homeostasis
(Eleven lectures, 10 Feb.–4 Mar.)

DR M. P. MAHAUT-SMITH

Temperature regulation and the control of
body weight (Four lectures, 7–14 Mar.)

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

DR R. L. TAPP

Digestion (Seven lectures, 27 Apr.–18 May)

Practical Work

Experimental physiology. M. or W. or F. 10–12 (1) or
M. 2–4 (5)

The first two weeks, Experimental classes will last for
three hours

Histology. M. 10–12 or M. 2–4 or W. 2–4 or F. 2–4

Practical Work

The same continued

Practical Work

The same continued

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART IA (continued)

MICHAELMAS 1999

LENT 2000

EASTER 2000

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

Lectures. M. W. F. 9

DR D. J. CHIVERS
Domestication (One lecture, 8 Oct.)
MR J. GRANDAGE
Course, Terms and Principles (One lecture, 11 Oct.)
DR D. J. CHIVERS, MR J. GRANDAGE AND DR J. M. HOLMES
The Locomotor System (Twelve lectures, 13, 15, 18, 20,
22, 27, 29 Oct., 1, 8, 10, 12, 15 Nov.)
PROF. W. A. HARRIS, DR S. J. BRAY AND DR D. TANNAHILL
Developmental Biology (Four lectures, 25 Oct., 3, 5, 17
Nov.)
DR J. M. HOLMES
The Nervous System (Six lectures, 19, 22, 24, 26, 29 Nov.,
1 Dec.)

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*)

Lectures. M. W. F. 9

DR J. M. HOLMES
The Nervous System (continued – two lectures,
21, 24 Jan.)
DR S. J. BRAY, DR J. H. BRACKENBURY,
MR J. GRANDAGE AND DR J. M. HOLMES
The Cardiovascular System (Seven lectures,
26, 28 Jan., 2, 4, 7, 9, 11 Feb.)
DR J. H. BRACKENBURY
The Respiratory System (Four lectures, 14, 16,
21, 23 Feb.)
DR D. J. CHIVERS
The Digestive System (Five lectures, 28 Feb.,
1, 6, 8, 13 Mar.)

Practical Work

The same continued

Lectures. M. W. F. 9

DR D. J. CHIVERS
Digestive System (continued – three lectures,
28 Apr., 3, 5 May)
DR S. J. BRAY AND MR J. GRANDAGE
The Urinary System (Three lectures, 8, 10,
15 May)

Practical Work

The same continued

SECOND M.B. EXAMINATION**POPULATION SCIENCES**

Course Organiser: Dr T. Davies E-mail: twd@medschl.cam.ac.uk

Lectures

Department of Anatomy Lecture Theatre
DR T. W. DAVIES AND DR C. PALMER
M. 12 (8, 15, 22, 29 Nov.)
F. 12 (12, 19, 26 Nov., 3 Dec.)

Lectures

DR T. W. DAVIES AND INVITED LECTURERS
M. 12 (24, 31 Jan., 7, 14, 21, 28 Feb.,
6, 13 Mar.)
F. 12 (21, 28 Jan., 4, 11, 18, 25 Feb., 3, 10 Mar.)

SECOND VET.M.B. EXAMINATION**ANIMAL HUSBANDRY, AGRICULTURAL ECONOMICS AND ANIMAL BEHAVIOUR**

(Veterinary Students)

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

Lectures

DR S. S. LLOYD, *DR M. A. HOLMES, DR C. J. C. PHILLIPS AND
OTHERS
Animal Husbandry and Agricultural Economics (Twelve
lectures). M. 12 (25 Oct., 1, 8, 15, 22, 29 Nov.)
F. 12 (29 Oct., 5, 12, 19, 26 Nov., 3 Dec.)
Biffen Lecture Theatre

Lectures

*PROF. D. M. BROOM
Animal Behaviour (Ten lectures).
M. 12 (10, 17, 24, 31 Jan., 7 Feb.)
F. 12 (7, 14, 21, 28 Jan., 4 Feb.)
Biffen Lecture Theatre

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. 6 Dec. to W. 8 Dec. 1999. There is also the opportunity to attend a two-week course in Livestock Management at the Berkshire College of Agriculture during the summer vacation.

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART I B

MICHAELMAS 1999

LENT 2000

EASTER 2000

ANATOMY (DEVELOPMENTAL BIOLOGY FOR MEDICINE)

(Medical Students)

Course Organiser: Dr V. Navaratnam E-mail: vn@mole.bio.cam.ac.uk

Lectures. M. W. F. 9 *Babbage Lecture Theatre*;
Tu, Th. 9 *Anatomy Lecture Theatre*

DR S. J. BRAY

Introduction (One lecture, 2 Nov.)

DR D. TANNAHILL

Early nervous system, mesoderm differentiation
(Two lectures, 4, 9 Nov.)

DR R. J. KEYNES

Normal and abnormal patterning of the head and neck
(Three lectures, 11, 16, 18 Nov.)

PROF. W. A. HARRIS

Special sense organs (One lecture, 22 Nov.)

DR P. SCHOFIELD AND DR A. C. FERGUSON-SMITH

Urogenital system (Two lectures, 23, 24 Nov.)

DR V. NAVARATNAM

Heart (Two lectures, 25, 26 Nov.)

DR P. SCHOFIELD AND DR A. C. FERGUSON-SMITH

Fetal growth control and defects (Two lectures,
29, 30 Nov.)**Practicals**

1. Th. 10–12 (4 Nov.); Tu. 10–12, 2–4 (9 Nov.)

*Physiology (Histology) Laboratory*2. Th. 2–4 (25 Nov.); F. 10–12 (26 Nov.); M. 10–12, 2–4
(29 Nov.) *Anatomy (Procedures Laboratory)*3. Forum: Congenital abnormalities W. 9 (1 Dec.)
Anatomy Lecture Theatre

ENDOCRINOLOGY BIOMEDICAL ETHICS AND HUMAN REPRODUCTION

(Medical Students)

Course Organiser: Dr A. L. R. Findlay E-mail: alrf@cus.cam.ac.uk

Lectures. M. W. F. 9 *Babbage Lecture Theatre*;
Tu. 9, Th. 5 *Department of Anatomy*

DR A. L. R. FINDLAY

Endocrinology (Ten lectures, 8, 11, 13, 15, 18, 20, 22, 25,
27, 29 Oct.)

DR D. COX

Biomedical Ethics (Five lectures, 7, 9, 12, 14, 16 Oct.)

DR A. L. FOWDEN

Sexual differentiation

Gametogenesis

Structure and function of the male and female
reproductive organsReproductive cycles and their neuroendocrine control
(Six lectures, 19, 21, 23, 26, 28, 30 Oct.)

DR G. BURTON

Fertilization and implantation

Placentation

Maternal Physiology during pregnancy

Fetal development

Assisted conception

Contraception (Five lectures, 1, 3, 5, 9, 10 Nov.)

DR R. J. BARNES

Preparations for birth

Parturition

Neonatal physiology

Parental behaviour and lactation (Four lectures, 12, 15,
17, 19 Nov.)

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART 1B

MICHAELMAS 1999

LENT 2000

EASTER 2000

GENERAL VETERINARY PHYSIOLOGY

(Veterinary Students)

Course Organiser: Dr J. C. D. Hickson E-mail: jedh1@cus.cam.ac.uk

Lectures. M. W. F. 9 *Main Physiology Lecture Theatre* (except where otherwise stated)
 DR A. L. R. FINDLAY
 Endocrinology (Ten lectures, 8–29 Oct.) *Babbage Lecture Theatre*
 DR W. H. COLLEDGE
 Reproduction (Eight lectures, 1–17 Nov.)
 DR J. C. D. HICKSON
 Fetal, neonatal and maternal physiology (Six lectures, 19 Nov.–1 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, 21–28 Jan.)
 Neurophysiology of vision (Six lectures, 31 Jan.–11 Feb.)
 DR D. J. TOLHURST
 Somatic sensation and pain (Four lectures, 14–21 Feb.)
 Control of movement and posture (Six lectures, 23 Feb.–6 Mar.)
 DR I. M. WINTER
 Hearing (Four lectures, 8–15 Mar.)

Practical Work
 Tu. 10–12

Lectures. M. W. F. 9 *Main Physiology Lecture Theatre*
 DR H. R. MATTHEWS
 Taste and smell (One lecture, 28 Apr.)
 DR A. L. R. FINDLAY
 Higher functions of the nervous system (Three lectures, 1–5 May)
 DR J. H. ROGERS
 Developmental neurobiology (Four lectures, 8–15 May)

Practical Work
 Tu. 10–12 or Th. 2–4

NEUROBIOLOGY

(Medical Students)

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

Lectures. M. Tu. W. F. 9 *Babbage Lecture Theatre*; Th. 9, S. 11 *Department of Anatomy*
 DR R. J. KEYNES
 Introduction to the brain (One lecture, 20 Jan.)
 PROF. R. C. THOMAS
 The excitable cell. Sensory receptors (Four lectures, 21, 22, 24, 26 Jan.)
 DR I. M. WINTER
 The somatic sensory system. Pain (Five lectures, 27, 29 31 Jan., 2, 3 Feb.)
 DR S. A. EDGLEY
 The motor system (Nine lectures, 5, 7, 9, 10, 12, 14, 16, 17, 19 Feb.)
 DR R. C. HARDIE
 The visual system (Seven lectures, 21, 23, 24, 26, 28 Feb., 1, 2 Mar.)
 PROF. A. C. CRAWFORD
 The auditory system (Three lectures, 4, 6, 8 Mar.)
 DR A. ROBERTS
 Neurobiology of emotion (Three lectures, 9, 11, 13 Mar.)
 DR R. J. KEYNES
 Blood-brain barrier. Cerebrospinal fluid and cerebral blood flow (Two lectures, 14, 15 Mar.)

Practical Work
 Structure of the Brain: Laboratory classes. Th. 2–4 or F. 10–12 *Anatomy School*.
 Experimental Neurophysiology in the *Physiological Laboratory*. Times according to Physiology options

Lectures. M. F. 9 *Babbage Lecture Theatre*; Tu. Th. 9 *Department of Anatomy*
 DR H. R. MATTHEWS
 Olfaction and taste (One lecture, 27 Apr.)
 DR J. ROGERS
 Development, plasticity and repair of the nervous system (Four lectures, 28 Apr., 1, 2, 4 May)
 DR A. ROBERTS
 Neurobiology of cognition (Two lectures, 5, 8 May)

Lectures. Tu. Th. 12 *Department of Physiology*; M. W. 12 *Department of Anatomy*
 PROF. B. J. EVERITT
 Cerebral cortex and thalamus. Reticular formation and sleep (Five lectures, 27 Apr., 1, 2, 3, 4 May)
 DR A. ROBERTS
 Neurobiology of cognition (Two lectures, 8, 9 May)

Practical Work
 Class times as for Lent Term

PATHOLOGY

Course Organiser: Dr B. Kingston E-mail: ibk@mole.bio.cam.ac.uk

Lectures. M. W. F. 12 *Chemical Laboratory Lecture Theatre*
 PROF. A. H. WYLLIE
 Introduction
 Cell Injury and Inflammation (Two lectures, 8–11 Oct.)
 DR Y. W. LOKE
 Mechanisms of Acute Inflammation
 Healing
 Persistent Inflammation (Three lectures, 13–18 Oct.)

Lectures. M. W. F. 12 *Chemical Laboratory Lecture Theatre*
 DR R. W. LE PAGE
 Bacterial Agents of Infectious Disease
 Bacterial Cells and Populations
 Transmission of Bacterial Infections
 Bacterial Pathogenicity: Concepts
 Bacterial Diseases: Mechanisms of Pathogenicity I
 Bacterial Diseases: Mechanisms of Pathogenicity II
 Bacterial Diseases: Mechanisms of Pathogenicity III
 Combating Bacterial Diseases (Eight lectures, 19 Jan.–4 Feb.)

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART I^B

MICHAELMAS 1999

LENT 2000

EASTER 2000

PATHOLOGY (continued)

Lectures (continued)

DR N. HOLMES
The Immune System: Organs and Cells
B Cells and Antibodies
The Major Histocompatibility Complex
T Cells
Cellular Interactions: Cytokines
The Complement System
Tolerance
Autoimmunity
Hypersensitivity and Chronic Inflammation
(Nine lectures, 20 Oct.–8 Nov.)

DR Y. W. LOKE
Transplantation. Blood Groups (One lecture, 10 Nov.)

DR N. HOLMES
Immunity and Immunisation (One lecture, 12 Nov.)

PROF. A. C. MINSON
The Structure and Replication of Viruses
Effects on the Host Cell
Acute Virus Infection
The Response to Infection
Persistent and Latent Infection
Mechanisms of Viral Pathogenesis
Control of Virus Infection
Prions and Transmissible Spongiform Encephalopathies
(Eight lectures, 15 Nov.–1 Dec.)

Practical Work *Department of Pathology*

Tu. 10–12 and Th. 2–4 or Tu. 2–4 and Th. 10–12
or W. and F. 10–12 or 2–4

DR N. COLEMAN
Tuberculosis. Granulomatous Disease
(One lecture, 7 Feb.)

DR D. DUNNE
Introduction to Parasite Infections
Host-Parasite Interactions: Metazoan Parasite
Diseases
Protozoan Parasite Diseases (Four lectures,
9–16 Feb.)

DR N. COLEMAN
Disorders of Red Blood Cells
Thrombosis and Embolism
Arterial Disease
Heart Failure and Hypertension
Ischaemia and Infarction (Five lectures,
18–28 Feb.)

DR M. ARENDS
Principles of Growth Dysregulation
Nomenclature and Behaviour of Neoplasms
Invasion, Angiogenesis and Metastasis
Carcinogenesis: population and molecular
epidemiology (Four lectures, 1–8 Mar.)

PROF. A. H. WYLLIE
Genetic Basis of Neoplasia: oncogenes
Genetic Basis of Neoplasia: oncosuppressor
genes
Genetic Basis of Neoplasia: multistage
carcinogenesis
Molecular Basis of Tumour Therapy
(Four lectures, 10–17 Mar.)

Practical Work *Department of Pathology*

Tu. 10–12 and Th. 2–4 or Tu. 2–4 and
Th. 10–12 or W. and F. 10–12 or 2–4

Practical Work *Department of Pathology*

Revision classes. Tu. 10–12 and Th. 2–4 or
Tu. 2–4 and Th. 10–12 or W. and
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, 7 Oct.)
Drug interactions with receptors and ion channels
(Eight lectures, 9–26 Oct.)

DR R. M. HENDERSON
Mechanisms and pharmacology of neural transmission
(Six lectures, 28 Oct.–9 Nov.)

DR C. R. HILEY
Cardiovascular and renal pharmacology (Nine lectures,
11–30 Nov.)

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, 20–29 Jan.)

DR E. K. MATTHEWS
Pharmacology of inflammation and
immunosuppression (Five lectures,
1–10 Feb.)

DR M. A. BARRAND
Chemotherapy (Five lectures, 12–22 Feb.)

DR A. J. MORTON*
Central nervous system (Medical students.
Nine lectures, 24 Feb.–14 Mar.)

DR C. BRYANT†
Veterinary Pharmacology (Two lectures,
24, 26 Feb.)

DR P. THORN†
Central nervous system (Veterinary students.
Five lectures, 29 Feb.–9 Mar.)

DR R. J. EVANS†
Anthelmintics (Veterinary Students.
Two lectures, 11, 14 Feb.)

Practical Work

The same continued

* Medical students.

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

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART 1B

MICHAELMAS 1999

LENT 2000

EASTER 2000

PSYCHOLOGY

(Medical Students)

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, 25, 28 Jan., 1, 4 Feb.)DR S. BARON-COHEN
Psychopathology (Six lectures, 8, 11, 15, 18, 22, 25 Feb.)DR J. RUSSELL
Cognitive and Social Development (Two lectures, 29 Feb., 3 Mar.)PROF. N. J. MACKINTOSH
Intelligence (Two lectures, 7, 10 Mar.)**Lectures.** W. 9, F. 12 *Anatomy School*DR R. A. McCARTHY
Neuropsychology (Three lectures, 3, 5, 10 May)DR B. P. BRADLEY
Attention and Memory (Three lectures, 12, 17, 19 May)**SPECIAL VETERINARY PHYSIOLOGY**

(Veterinary Students)

Course Organiser: Dr J. C. D. Hickson E-mail: jdgh1@cam.ac.uk

Lectures. Tu. 9, S. 10 *Physiology Theatre 3*DR A. V. EDWARDS
Introduction; Motility of the ruminant stomach (Four lectures, 22, 25, 29 Jan., 1 Feb.)DR J. C. D. HICKSON
Digestion, absorption and intermediary metabolism in ruminant and non-ruminant herbivores (Seven lectures, 5, 8, 12, 15, 19, 22, 26 Feb.)DR A. L. FOWDEN
Reproduction, pregnancy and parturition in domestic species (Five lectures, 29 Feb., 4, 7, 11, 14 Mar.)**Demonstration classes**W. 2.15 *Physiology Lecture Theatre 3* except where otherwise stated. Details will be posted in the Physiological Laboratory at the start of the Lent Term.**Lectures.** Th. 9 *Physiology Theatre 3*DR R. J. BARNES
Reproduction and lactation in marsupials (One lecture, 27 Apr.)PROF. A. D. CARE
Calcium metabolism in ruminants – physiological basis of milk fever (One lecture, 4 May)DR R. J. BARNES
Lactation and transfer of passive immunity (Two lectures, 11, 18 May)**Demonstration classes**PROF. A. D. CARE
Acute ruminant hypomagnesaemia – its physiological basis. W. 3.30 (One class, 3 May) *Physiology Lecture Theatre 3*

Revision Seminar Lent Term Lectures. W. 2.15 (10 May)

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

Lectures. Tu. Th. 9MR J. GRANDAGE, PROF. W. A. HARRIS AND DR D. WILLIAMS
The Sense Organs (Five lectures, 7, 12, 14, 19, 21 Oct.)MR J. GRANDAGE
Horns and Antlers (One lecture, 26 Oct.)DR S. J. BRAY, DR G. J. BURTON AND MR J. GRANDAGE
The Reproductive System (Ten lectures 28 Oct., 2, 4, 9, 11, 16, 18, 23, 25 Nov.); M. 10 (29 Nov.) *Anatomy Lecture Theatre***Practical Work**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***Lectures.** Th. 9DR J. H. BRACKENBURY
Comparative Vertebrate Anatomy (Eight lectures, 20, 27 Jan., 3, 10, 17, 24 Feb., 2, 9 Mar.)**Practical Work**The same continued at the following times. M. W. 10–12. *In the Veterinary Dissecting Room and other venues***Lectures.** Tu. 9 *Biffen Lecture Theatre*; M. W. 10, 11 *Anatomy Lecture Theatre*MR J. GRANDAGE
Regional and Surgical Anatomy (Six lectures, 2, 3, 8, 9 May)**Practical Work**The same continued at the following times. M. W. 10–12. *In the Veterinary Dissecting Room and other venues*

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART II

MICHAELMAS 1999

LENT 2000

EASTER 2000

Introductory Session. W. 2-3.30

*Demonstration Theatre (Theatre 3), Department of Physiology*The Faculty Board of Biology give notice that the following Papers will be available for the examination in 2000, (*Reporter*, 11 March 1999, p. 471)**FOUR PAPER SUBJECTS****Mechanisms in Disease: from Process to Patient**

Course Organiser: Dr N. Coleman E-mail: nc109@cam.ac.uk, with Dr S. Thiru.

Lecture will start at 10.30 a.m. in the *Department of Pathology Lecture Theatre*. Complete details will be posted on the Department Web server.**Pathology**

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

This course consists of lectures from relevant options chosen from N.S.T. Part II Pathology (see p. 184).

Pharmacology

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

This course consists of lectures from N.S.T. Part II Pharmacology (see p. 185).

Psychology

Course Organiser: Dr J. Russell E-mail: j.russell@psychol.cam.ac.uk

This course consists of lectures from N.S.T. Part II Psychology (see p. 189).

TWO PAPER SUBJECTS**Behaviour and Veterinary Ethology**

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

This course consists of lectures from N.S.T. Part II Zoology (see p. 191).

Cellular and Molecular Pharmacology

This course will consist of lectures from N.S.T. Part II Pharmacology (see p. 186), and must be taken together with Pharmacology of Integrated Systems course.

Clinical Physiology and Neurobiology

This course consists of lectures from N.S.T. Part II Physiology, Modules 6 and 7 (see p. 188).

History of Medicine

Course Organiser: Dr N. Hopwood E-mail: ndh12@hermes.cam.ac.uk

*Department of History and Philosophy of Science*This course consist of Papers 7 and 8 from N.S.T. Part II History and Philosophy of Science (see p. 182). Prof. Lipton and Dr Hopwood would like to see all Part II students on Wednesday 6 October at 11 a.m. in *Seminar Room 2, Department of History and Philosophy of Science, Free School Lane*. Discussion of the special needs for M.V.S.T. Part II students taking History of Medicine will be included in this meeting.**Human Genetics and Ecology**

This course will consist of Papers B4 and B5 from Part II B, Biology Anthropology (see p. 205).

Human Impact on Environment

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

Lectures

DR P. GRUBB, DR W. AMOS, DR B. GRENFELL AND
DR E. TANNER
Population and Community Ecology. M. W. F. 5
(Twenty-four lectures) *Department of Plant Sciences*

Lectures

DR M. BROOKE, DR W. AMOS, DR E. TANNER,
DR J. O'SULLIVAN, DR A. BALMFORD,
DR D. BRIGGS AND DR I. HODGE
Conservation Biology. M. W. F. 5 (Twenty-
four lectures) *Department of Zoology*

Lectures

DR J. R. FLOWERDEW AND
DR A. CHEPSTOW-LUSTY
Human Impact on the Environment.
M. W. F. 5 (Twelve lectures) *Department
of Zoology*

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. 185).

Primate and Human Evolutionary Biology and Behaviour

The course will consist of Papers B6 and B7 from Part II B Biological Anthropology (see p. 205).

Vertebrate Evolution

Course Organiser: Dr J. A. Clack

The course will consist of lectures from N.S.T. Part II Zoology (see p. 190).

THE FOLLOWING TWO PAPER SUBJECTS ARE NOT AVAILABLE FOR EXAMINATION IN 2000:

Cellular Pathology (Pathology A)
Immunology (Pathology B)
Microbial and Parasitic Disease (Pathology C)
Virology (Pathology D)
Genetic Pathology (Pathology E)

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART II (continued)

MICHAELMAS 1999

LENT 2000

EASTER 2000

ONE PAPER SUBJECTS**Conservation Biology**

Course Organiser: Dr A. Balmford E-mail: apb12@cam.ac.uk

The course will consist of lectures from N.S.T. Part II Zoology (see p. 191).

Human Genetics and Variation

This course will consist of lectures from Biological Anthropology, Part IIB, Paper B4 (see p. 205).

Medical Aspects of Neurobiology

Course Organiser: Dr J. W. Fawcett E-mail: jf108@cam.ac.uk

Tu. Th. 10 *In the Physiology Main Lecture Theatre*

DR J. MORTON

Neurodegeneration (Four lectures, 7, 12, 14, 19 Oct.)

DR J. W. FAWCETT

Recovery from injury and regeneration (Three lectures, 21, 26, 28 Oct.)

PROF. J. PICKARD, MR P. KIRKPATRICK AND DR R. TASKER
Cerebrospinal fluid, raised intracranial pressure Stroke, CNS injury (Four lectures, 2, 4, 9, 11 Nov.)

DR S. DUNNETT

Brain Grafting (Two lectures, 16, 18 Nov.)

DR R. FRANKLIN

Demyelination and remyelination (Two lectures, 25, 30 Nov.)

Tu. Th. 10 unless stated otherwise *In the Physiology Main Lecture Theatre*

DR I. M. WINTER

Hearing Disorders (Two lectures, 20, 25 Jan.)

DR D. J. TOLHURST

Visual Disorder (Three lectures, 27 Jan., 1, 3, Feb.)

DR R. BARKER

Acute and chronic pain (Two lectures, 10, 15 Feb.)

DR J. HUNTER

Development of CNS pharmaceutical compounds (One lecture, 17 Feb.)

DR A. ROBERTS

Cognitive disorders in neurological disease (Two lectures, 22, 24 Feb.)

DR C. L-H. HUANG

Neurological imaging. F. 12 (Two lectures, 29 Feb., 3 Mar.)

PROF. I. GOODYER, DR T. HOLLAND AND

DR P. BOLTON

Scientific basis and treatment of psychiatric disorders (Four lectures, 2, 7, 9, 14 Mar.)

Medicine, Ethics and the Law

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

Lectures and seminars will take place as indicated below.

MR P. GLAZEBROOK

Medical Law. F. 4 *Law Faculty*

MR J. L. CADDICK

Medical Ethics. Tu. 4 *Department of Genetics*

PROF. J. SPENCER

The same continued. F. 4 *Law Faculty*The same continued. Tu. 4 *Department of Genetics***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.

DR C. TODD

Introduction to Medicine, Health and Illness. F. 1 (week 1)

PROF. B. TURNER

Introduction to Medical Sociology. F. 2

DR G. LEWIS

Introduction to Medical Anthropology. W. 9
Department of Social Anthropology

DR T. SHAKESPEARE

JULIET MITCHELL

DR D. PENCHEON

DR F. BARBIRA-FREEDMAN

Health Psychology. Th. 4

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

Hysteria - a gendered illness. Tu. 12
(weeks 1-4) *SPS Seminar Room*Health Politics and Policy. Tu. 12 (weeks 5-8)
SPS Seminar Room

The same continued. Tu. 11

Room 606, Centre for Family Research

The same continued. M. 5

Room 606, Centre for Family Research

Ethnography of Fertility and Childbirth.

M. 11 *Department of Social Anthropology*

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART II (continued)

MICHAELMAS 1999

LENT 2000

EASTER 2000

Topics in Clinical Physiology

Course Organiser: Dr R. J. Barnes E-mail: rbj4@cam.ac.uk

W. F. 10 *In the Biffin Lecture Theatre unless otherwise stated*

DR R. J. BARNES

Introduction, Starling, Guyton and the circulation
(Two lectures, 8, 13 Oct.)

DR C. SPEED

Measuring human performance (One lecture, 15 Oct.)

DR L. SHAPIRO

The heart and exercise (One lecture, 20 Oct.)

DR J. JENNER

Human muscle and human performance (One lecture,
22 Oct.)

PROF. J. T. FITZSIMONS

Oedema, shock and heart failure (Three lectures,
27, 29 Oct., 3 Nov.)

DR J. BRADLEY, DR J. FIRTH AND DR K. SMITH

Aspects of renal disease. (Six lectures, 5, 10, 12,
17, 19, 24 Nov.)

DR S. J. MIDDLETON

Gastro-enterology and chest pain (Two lectures,
26 Nov., 1 Dec.)

W. F. 10 *In the Biffin Lecture Theatre unless otherwise stated*

PROF. D. LOMAS AND PROF. E. CHIVERS

Ventricular failure, pulmonary vascular
physiology, asthma, bronchitis and
emphysema (Five lectures, 21, 26, 28 Jan.,
2, 4 Feb.)

PROF. J. T. FITZSIMONS

Hypertension (Four lectures, 9, 11, 16, 18 Feb.)

DR M. LOWE

Electricity and arrhythmias (Two lectures,
23, 25 Feb.)

DR M. C. PETCH

Abnormal haemodynamics, myocardial
ischaemia and myocardial failure
(Three lectures, 1, 3, 8 Mar.)

DR A. ODURO

Myocardial protection (Two lectures,
10, 15 Mar.)

THE FOLLOWING ONE PAPER SUBJECTS ARE NOT AVAILABLE FOR EXAMINATION IN 2000:

Biology of Parasitism
Environmental Physiology
Human Nutrition