

NATURAL SCIENCES TRIPOS, PART IA

MICHAELMAS 2002

LENT 2003

EASTER 2003

LEARNING DAY

Wednesday, 9 October 2002: *Chemistry Lecture Theatre I, Lensfield Road*, 2–4.15 p.m.

This event will give new undergraduates an introduction to ‘the Cambridge teaching system’, study skills and stress management. The sessions are informal and detailed timetables are available from Senior Tutors.

BIOLOGY OF CELLS

Course Organiser: Dr P. Oliver E-mail: p.oliver@gen.cam.ac.uk

All lectures are in the *Babbage Lecture Theatre, New Museums Site* on M. W. F. 10.

DR S. H. P. MADDRELL
The Living Cell (Four lectures)

PROF. D. J. ELLAR
Macromolecules in the Cell (Five lectures)

DR M. TESTER
Membranes: Molecular Superstructure (Five lectures)

DR A. SMITH AND DR M. BRAND
Energy and Biosynthesis (Ten lectures)

DR A. MULLINGER, DR F. HOLLFELDER AND DR T. MARTIN
Practical Work

DR D. K. SUMMERS
Hunting the Gene (Seven lectures)

DR C. J. HOWE
Genes in Action (Six lectures)

PROF. D. GLOVER
The Genetic Revolution (Six lectures)

PROF. R. A. LASKEY
Cell Proliferation (Five lectures)

DR A. MULLINGER, DR M. SEGAL AND
DR N. STANDART
Practical Work

DR K. JOHNSTONE
Cell Signalling (Six lectures)

PROF. J. SMITH
Development (Six lectures)

DR H. SKAER AND OTHERS

Practical Work: demonstrations and revision

Practical work takes place in the *Zoological Laboratory* at 11–1 and 2–4 on M. or W. or F. For those doing Geology, practical times are 12–1 and 2–5; and for those doing Materials and Mineral Sciences times are 11–12 and 2–5. Students should register for all biological practical courses on Tuesday, 8 October between 2.00 and 3.30 in the *Senate House*.

CHEMISTRY

Course Organiser: Dr J. H. Keeler E-mail: James.Keeler@ch.cam.ac.uk

All lectures will be given in *Lecture Room 1, Department of Chemistry, Lensfield Road* on Tu. Th. S. 10

DR P. D. WOTHERS
Shapes and Structures of Molecules (Sixteen lectures)

DR J. H. KEELER
Introduction to Energetics and Kinetics (Three lectures)

DR S. BALASUBRAMANIAN
Reactions and Mechanisms in Organic Chemistry (Five lectures)

DR S. BALASUBRAMANIAN
Reactions and Mechanisms in Organic Chemistry (Seven lectures, continued)

DR J. H. KEELER
Energetics and Equilibria (Eight lectures)
Kinetics of Reactions (Nine lectures)

DR P. D. WOTHERS
Chemistry of the Elements (Twelve lectures)

Practical Chemistry: M. W. F. 10–12 or 11–1 and 2–5; Tu. Th. 1–1 and 2–5. Students should register in the *Department of Chemistry, Lensfield Road*, between 8.30 and 12.30 or 2 and 4.30 on Tuesday, 8 Oct. when they will be assigned attendance on the morning and afternoon periods of one particular day in either odd weeks (beginning Th. 10 Oct.) or even weeks (beginning Th. 17 Oct.) of the Michaelmas term.

ELEMENTARY MATHEMATICS FOR BIOLOGISTS

Course Organiser: Dr S. Hladky E-mail: sbh1@cam.ac.uk

Elementary Mathematics for Biologists is intended for students who do not have A-level Mathematics. It is to be noted that this course does not provide a qualification for offering Mathematics together with only one other subject in Part IB of the Natural Sciences Tripos.

Lectures will be given at 9 a.m. in the *Rayleigh Lecture Theatre, New Museums Site*

DR S. B. HLADKY
Introduction (One lecture, 11 Oct.) F.

DR S. B. HLADKY AND DR J. ROGERS
Algebra, Graphs and Trigonometry (Four lectures, 16–30 Oct.) W., (Three lectures, 1–11 Nov.) M. F.

PROF. P. A. MCNAUGHTON
Logarithms and Raising to Powers (Two lectures, 15, 18 Nov.) M. F.

DR R. W. BROADHURST
Calculus I. (Four lectures, 22 Nov.–2 Dec.) M. F.

DR S. B. HLADKY AND DR F. H. KING
Introduction to Computing and Excel (Five sessions) (14–28 Oct.) M. F. 8.30–10.00 *Titan Rooms 1 and 2, New Museums Site*

THE LECTURERS
Examples classes (Five classes, 6 Nov.–4 Dec.) W. 9
Large Classroom, Department of Pharmacology

DR R. W. BROADHURST
Calculus II (Six lectures, 17 Jan.–3 Feb.) M. F.

DR M. AITKIN AND DR M. PIMM-SMITH
Statistics (Ten lectures, 7 Feb.–10 Mar.) M. F.

THE LECTURERS
Examples classes (Eight classes, 22 Jan.–12 Mar.) W. 9 *Large Classroom, Department of Pharmacology*

DR S. HLADKY
Curve Fitting (Two lectures, 25, 28 Apr.) M. F.

PROF. P. A. MCNAUGHTON
Frequency Analysis (Two lectures, 2, 5 May) M. F.

THE LECTURERS
Revision lectures (Three lectures, 9–16 May) M. F.

THE LECTURERS
Examples classes (One class, 30 Apr.) W. 8.30–10 *PWF facility, Titan Rooms* (Three classes, 7–21 May) W. 9 *Large Classroom, Department of Pharmacology*

Examples classes: Two of the exercises in each of the Michaelmas and Lent terms and one from the Easter term will be assessed with marks counting towards the examination.