

M. PHILS. (one year courses), DIPLOMAS AND SPECIAL COURSES

MICHAELMAS 1998

LENT 1999

EASTER 1999

CHEMISTRY

Advanced courses (mainly for Research Students and others interested)

STAFF OF THE CHEMICAL LABORATORY
 Research Techniques in Organic Chemistry. W. 9
 (starting 14 Oct.)

STAFF OF IRC IN SUPERCONDUCTIVITY
 Classical and High Temperature
 Superconductivity. Th. 11 (Eight lectures)
IRC Seminar Room

A short course on Workshop practice is also offered to
 new Physical Chemistry graduate students early in
 the Michaelmas Term

EARTH SCIENCES

REGULAR SEMINARS

PROF. I. N. McCAVE AND OTHERS
 Topics in Geological Sciences. Tu. 5 *Harker Room*

PROF. D. P. MCKENZIE AND OTHERS
 Colloquium in Geophysics. W. 4.30
Bullard Laboratories

PROF. H. E. HUPPERT AND OTHERS
 Seminars in Theoretical Geophysics. Th. 2
DAMTP Room A

PROF. N. J. SHACKLETON AND OTHERS
 Quaternary Discussion Group, Alternate F.
 F. 8.30 p.m. *Clare Hall*

The same continued

The same continued

The same continued
Earth Sciences, Harker II Room

The same continued

The same continued.

The same continued

GRADUATE COURSES

THE STAFF OF THE ELECTRON PROBE LABORATORIES
 Physical Techniques (by arrangement)

DR P. L. GIBBARD AND OTHERS
 The Quaternary Period. Tu. Th. 12

DR J. A. HUDSON [**Math**]
 Waves in Solid Media. M. W. F. 12

OTHER COURSES

PROF. D. P. MCKENZIE AND DR J. HAINES
 Physics of the Earth as a Planet. Tu. Th. S. 10
Cavendish Laboratories

STAFF OF THE IRC IN SUPERCONDUCTIVITY
 Classical and High Temperature
 Superconductivity. Th. 11 (Eight lectures)
IRC Seminar Room

DR J. A. MILLER
 Field Course in Geophysics¹

¹ Graduates wishing to take the Field Course should write to Dr Miller at the Bullard Laboratories early in October 1998. It may be necessary to limit numbers.

M. PHILS. (one year courses), DIPLOMAS AND SPECIAL COURSES

MICHAELMAS 1998

LENT 1999

EASTER 1999

HISTORY AND PHILOSOPHY OF SCIENCE**CLASSES AND SEMINARS FOR RESEARCH STUDENTS**

Unless otherwise stated all classes and seminars will be given in the *History and Philosophy of Science Seminar Rooms, Free School Lane*. Prof. P. Lipton and Dr M. Kusch will meet all postgraduate students at 10 a.m. on Tuesday 6 October in *Seminar Room 2* to discuss the course and arrange supervision. Course details, dates and times as follows:

THE TEACHING OFFICERS

M.Phil. Seminar in History and Philosophy of Science. W. 2

The same continued

The same continued

THE TEACHING OFFICERS AND INVITED SPEAKERS

Departmental Seminar in History and Philosophy of Science. Th. 4.30

The same continued

The same continued

DR J. FORRESTER, DR M. KUSCH, DR D. THOM AND INVITED SPEAKERS

Psy Studies (Cambridge Group for the History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences) W. 5 (fortnightly from 14 Oct.)

The same continued

The same continued

DR J. FORRESTER AND OTHERS

Psychoanalysis Reading Group. Tu. 2

The same continued

DR R. FRENCH AND INVITED SPEAKERS

Medieval, Renaissance and Early Modern Medicine. M. 5 (fortnightly from 19 Oct.)

The same continued

DR N. HOPWOOD AND INVITED SPEAKERS

History of Modern Medicine and Biomedical Sciences Seminar. M. 5 (fortnightly from 12 Oct.)

The same continued

PROF. N. JARDINE, DR A. CUNNINGHAM AND INVITED SPEAKERS

Cabinet of Natural History (Cambridge Group for the History of Natural History and Environmental Sciences). M. 1

The same continued

The same continued

PROF. N. JARDINE, DR M. FRASCA SPADA AND OTHERS

Cambridge Historiography Group. W. 8.30 p.m. (fortnightly from 14 Oct.)

The same continued

The same continued

Research Methods and Resources. Th. 4 (8, 15 Oct.)

PROF. P. LIPTON AND OTHERS

Epistemology Reading Group. Th. 2

The same continued

The same continued

MR A. MOSLEY, DR J. MARENBOON AND OTHERS

Medieval Sciences Reading Group. W. 1
L1, Great Court, Trinity

The same continued

The same continued

MR G. RADICK AND OTHERS

Evolution Reading Group. M. 8 p.m. (fortnightly from 13 Oct.) *Darwin College*

The same continued

The same continued

DR K. RIDDERBOS

Sigma Club. Tu. 4 (fortnightly from 20 Oct.)

The same continued

The same continued

MATERIALS SCIENCE AND METALLURGY**COURSES FOR GRADUATES**

Course Co-ordinator: Dr R. E. M. Ward E-mail: remw2@msm.cam.ac.uk

All lectures will be given in the Seminar Room, Department of Materials Science and Metallurgy

A detailed timetable is available in the Department.

STAFF OF THE DEPARTMENT

Techniques of Materials Research. M. Tu. W. Th. F. 2, 3
(Twenty-two lectures, beginning 8 Oct.)DR E. R. WALLACH AND DR C. B. BOOTHROYD
Microprobe Analysis. M. W. F. 2 (Eight lectures, beginning 29 Jan.)

DR J. A. LITTLE

Scanning Electron Microscopy. M. W. F. 2. (Eight lectures, beginning 26 Oct.)

DR J. A. LEAKE AND DR R. E. CAMERON
X-ray and Neutron Diffraction Methods.
Tu. Th. 2 (19 Jan.–2 Feb.); F. 2 (15 Jan.)
(Six lectures)

DR P. A. MIDGLEY

Introduction to Transmission Electron Microscopy.
M. W. F. 2 (Eight lectures, beginning 13 Nov.)DR Z. H. BARBER
Film Deposition and Microfabrication
Techniques. M. W. F. 2 (18–27 Jan.);
Th. 2 (14 Jan.) (Six lectures)

DR W. O. SAXTON

Image Processing in Materials Science. Tu. Th. 2 (Four lectures, beginning 27 Oct.)

PROF. C. J. HUMPHREYS
Advanced Transmission Electron Microscopy.
Tu. Th. 2 (Eight lectures, beginning
9 Feb.)

PROF. D. J. FRAY AND DR R. V. KUMAR

Experimental Techniques in Chemical Metallurgy.
Tu. Th. 2 (Eight lectures, beginning 10 Nov.)**REGULAR SEMINARS**

DR A. L. GREER AND OTHERS

Materials Science and Metallurgy. M. 4.15

The same continued

The same continued

M. PHILS. (one year courses), DIPLOMAS AND SPECIAL COURSES (continued)

MICHAELMAS 1998

LENT 1999

EASTER 1999

MICROELECTRONIC ENGINEERING AND SEMICONDUCTOR PHYSICS

Lectures are given either in the *Microelectronics Seminar Room, Cavendish Laboratory*, or at the *Department of Engineering*

DR J. R. A. CLEAVER Physics of semiconductors and devices. (Sixteen lectures)	PROF. W. I. MILNE Amorphous silicon and its electronic applications. (Four lectures)
DR D. G. HASKO Semiconductor processing and lithography. (Ten lectures)	DR C. G. SMITH Quantum transport in semiconductor device physics. (Eight lectures)
DR D. M. HOLBURN Devices, circuits and modelling. (Six lectures)	DR R. J. MEARS Optoelectronics. (Four lectures)
DR A. O. ADEYEYE Materials analysis for semiconductor devices. (Four lectures)	PROF. B. BHUSHAN Microelectromechanical systems. (Four lectures)
DR P. MIGLIORATO Large-area devices and displays. (Four lectures)	
DR F. UDREA Power microelectronics. (Four lectures)	

A detailed teaching programme, with information about the laboratory courses, may be obtained from Dr J. R. A. Cleaver at the *Department of Physics*.

PHYSICS**COURSES FOR GRADUATES***Courses recommended for Research Students in Solid State Physics*

Lectures are given in one of the *Seminar Rooms, Mott Building*, unless otherwise stated.

THE STAFF OF THE MOTT BUILDING Solid State Physics. M. W. F. 9	The same continued	
DR A. L. BLELOCH AND OTHERS Principles of Electron Microscopy and Diffraction. Tu, Th. 12 (additional practicals at times to be arranged)	The same continued	The same continued
DR D. KHMELITSKII AND OTHERS Special Topics in Condensed Matter Theory. M. W. F. 10. 15	The same continued	The same continued
DR A. CAMPBELL AND THE STAFF OF THE RESEARCH CENTRE IN SUPERCONDUCTIVITY Classical and High Temperature Superconductivity. Th. 9.15 (Eight lectures) <i>IRC Seminar Room</i>		
	DR I. HOPKINSON AND OTHERS Graduate lectures in Polymers and Colloids. M. 2-4 P and C Seminar Room	The same continued
		PROF. G. G. LONZARICH Quantum Phase Transitions. M. F. 2 (Six lectures, starting 27 Apr.) <i>IRC Seminar Room, Cavendish Laboratory</i>

Courses recommended for Research Students in Radio Astronomy:

See Graduate Lecturers in Astronomy and Astrophysics (p. 233)

Courses recommended for Research Students in High Energy Physics:

DR J. R. CARTER AND OTHERS Selected Topics in Elementary Particle Physics. Tu, Th. 11.30	The same continued	The same continued
--	--------------------	--------------------

M. PHILS. (one year courses), DIPLOMAS AND SPECIAL COURSES (continued)

MICHAELMAS 1998

LENT 1999

EASTER 1999

PHYSICS (continued)**REGULAR SEMINARS***All seminars continued in the Lent and Easter Terms***Principal Seminars**

PROF. R. E. HILLS AND OTHERS

Astrophysics. Tu. 4.30

DR J. R. CARTER AND OTHERS

High Energy Physics. Th. 3

DR J. A. C. BLAND AND OTHERS

Condensed Matter Physics. W. 4.30

Research Group Seminars

DR C. J. ADKINS AND OTHERS

Low Temperature Physics. W. 11. 15

PROF. M. PEPPER AND OTHERS

Semiconductor Physics. M. 2.15

PROF. L. M. BROWN AND OTHERS

Microstructural Physics. W. 2.30

PROF. J. E. FIELD AND OTHERS

PCS (Materials). Th. 4.30

PROF. A. M. DONALD AND OTHERS

Polymer and Colloid Physics. F. 2.15

PROF. R. H. FRIEND AND OTHERS

Molecular and Opto-Electronics. Tu. 2.15

DR D. A. CARDWELL AND OTHERS

Superconductivity. Th. 11

PROF. P. LITTLEWOOD AND OTHERS

Theory of Condensed Matter. Th. 2.15