

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

MICHAELMAS 2007

LENT 2008

EASTER 2008

M.PHIL. IN MICRO- AND NANOTECHNOLOGY ENTERPRISE

Course Director: Prof. M. G. Blamire (email: mb52@cam.ac.uk)

Course Website: www.msm.cam.ac.uk/nanoenterprise

Lectures will be delivered in the *Department of Materials Science and Metallurgy*, **Department of Engineering and*
 †*Department of Chemistry*

DR P. A. MIDGLEY, DR R. A. OLIVER
NE.01 Characterisation Techniques (Sixteen lectures)
 DR A. A. SESHIA
 ***NE.02** MEMS Design (Sixteen lectures)
 DR A. FLEWITT
 ***NE.03** Materials and Processes for MEMS (Sixteen lectures)
 PROF. M. G. BLAMIRE, DR J. DURRELL
NE.04 Nanofabrication Techniques (Sixteen lectures)
 PROF. A. L. GREER, PROF. A. H. WINDLE, TBC
NE.05 Nanomaterials (Sixteen lectures)
 †DR W. T. S. HUCK, DR S. CLARK, DR P. B. DAVIES
NE.06 Nanochemistry (Sixteen lectures)
 DR C. DURKAN, DR D. G. HASKO
NE.07 Physical Properties at the Nanometre-scale (Sixteen lectures)

DR P. D. BARKER
NE.08 Bionanotechnology (Sixteen lectures)

Additional lecture courses

VARIOUS LECTURERS

Scientific Communication

(Twenty-four lectures) to be confirmed

VARIOUS LECTURERS

MoTI Management of Technology and Innovation (Forty-eight lectures) to be arranged by the Judge Institute of Management

DR R. DOUBLEDAY

Societal and Ethical Dimensions of Nano and Biotechnology (Eight lectures)

MATERIALS SCIENCE AND METALLURGY*Courses for Graduates*

Course Organiser: Dr R. E. M. Ward (email: remw2@cam.ac.uk)

Lectures will be given in the *Department of Materials Science and Metallurgy*, unless otherwise stated

A detailed timetable is available in the Department. Further information on the Research School is at <http://www.msm.cam.ac.uk/Department/Internal/graduate/index.html>

STAFF OF THE DEPARTMENT

Techniques of Materials Research. M. Tu. W. Th. F.
 (Twenty lectures)
 DR R. A. OLIVER, DR J. LOUDON
 Characterisation Techniques (Sixteen lectures)
 DR J. S. BARNARD
 Scanning Electron Microscopy. (Eight lectures)
 DR R. E. CAMERON AND MISS M. E. VICKERS
 X-Ray and Neutron Diffraction Methods. (Six lectures)

DR P. A. MIDGLEY AND OTHERS
 Advanced Transmission Electron Microscopy.
 (Seven lectures)
 DR J. S. BARNARD
 Microanalysis. (Eight lectures)
 DR S. M. BEST
 Introduction to Biomaterials. (Four lectures)
 DR R. V. KUMAR, DR C. SCHWANOT
 Materials Chemistry. (Six lectures)
 DR W. O. SAXTON
 Image Processing in Materials Science. (Four lectures)
 DR J. H. DURRELL
 Microfabrication. (Six lectures)