

DEPARTMENT OF MATERIALS

DIVISION OF MATHEMATICAL, PHYSICAL AND LIFE SCIENCES

Lecture List for Trinity Term 2017

NOTICE: Attention is drawn to the provisions of the University's decrees, Ch. X, Sect. XI (*Statutes, Decrees, and Regulations*, 2000, pp. 761-63), under which non-members of the University, with certain stated exemptions, may not attend university lectures (unless they are announced as open to the general public) without the payment of a fee, otherwise than by the personal invitation of the lecturer concerned. Persons who are neither reading for a qualification of this University nor otherwise exempt, and who wish to attend lectures in any term, should apply to the Fees Clerk, University Offices, Wellington Square, Oxford OX1 2JD, for details of fees. Senior visiting scholars from other universities who wish to attend lectures, seminars, or classes should normally apply to the lecturer concerned, and not to the Fees Clerk.

Lectures begin on the first possible day after the beginning of Full Term (Sunday 23rd April) unless otherwise stated.

All lectures begin on the hour & finish at five minutes before the next hour.

Timetable for Materials Science & Materials, Economics & Management

Key to Teaching Venue Abbreviations:

HRLT	Hume-Rothery Lecture Theatre, Hume-Rothery Building
BRLT	Banbury Road Lecture Theatre, 21 Banbury Road
LR8 IEB	Lecture Room 8, Information Engineering Building
ETBCR	Engineering Technology Building Committee Room
BRCR	Banbury Road Conference Room, 21 Banbury Road
HBTL	Holder Building Teaching Labs, Holder Building
HRF	Hume-Rothery Foyer, Hume-Rothery Building
RR	Rex Richards Meeting Room, Rex Richards Building

<i>Subject</i>	<i>Lecturer</i>	<i>Time</i>	<i>Place</i>
FIRST YEAR			
Practical Classes Meeting	Prof. K.A.Q. O'Reilly	M. 9.30-10 (<i>wk 1</i>)	HRLT
Practical Classes	Prof. K.A.Q. O'Reilly	T.– F. 2-5 (<i>wks 1-3</i>)	HBTL
MatSoc Industrial Visit	MatSoc	F. 1-6 (<i>wk 4</i>)	HRF
Introduction to Y2 Options	Dr A.O. Taylor & others	T. 12 (<i>wk 8</i>)	HRLT
JCCU 2-way feedback	JCCU Reps	T. 10 (<i>wk 4</i>)	HRLT
Materials Science 1:			
Structure of Materials			
Elementary Quantum Theory & Bonding	Dr P. Dallas	M. W. 10 (<i>wks 1-2</i>) F. 10 (<i>wk 1</i>)	HRLT
Polymers and Composites	Dr B.J. Gabrys	F. 10 (<i>wk 2</i>)	BRLT
		M. 11 (<i>wks 3-4</i>)	HRLT
		T. Th. 11 (<i>wk 3</i>)	
Ceramics and Semiconductor	Dr C. Nörenberg	T. 9 (<i>wks 1-2</i>)	HRLT
		F. 9 (<i>wk 1</i>)	
Metals and Alloys	Dr C. Nörenberg	F. 9 (<i>wk 2</i>)	BRLT
		T. F. 9 (<i>wks 3-4</i>)	HRLT

Subject	Lecturer	Time	Place
Materials Science 2: Properties of Materials Kinetic Theory of Gases	Prof. J.H. Warner	T. Th. 11 (<i>wks 1-2</i>)	HRLT
Materials Science 3: Transforming Materials Electrochemistry	Prof. A.A.R. Watt	M. W. 11 (<i>wks 1-2</i>)	HRLT
Mathematics for Materials Science Revision Classes	Prof. S.C. Benjamin, Dr J. Mol & Dr N. Ares	T. Th. 12 (<i>wks 1, 3-4</i>) T. 12 (<i>wk 2</i>) Th. 12 (<i>wk 2</i>)	HRLT BRLT
SECOND YEAR			
1. Structure and Transformations of Materials			
Ternary Phase Diagrams	Prof. C.R.M. Grovenor	M. T. 12 (<i>wks 6-7</i>)	BRLT
Powder Processing	Prof. P.S. Grant	W. 9 (<i>wks 5-6</i>) Th. 9 (<i>wks 6-7</i>)	BRLT
2. Electronic Properties			
Electrical & Optical Properties	Prof. P.R. Wilshaw	M. Th. 10 (<i>wks 1-3</i>) W. 10 (<i>wks 1-2</i>)	BRLT
Tensor Properties of Materials	Prof. G.A.D. Briggs	M. W. 9 (<i>wks 3-4</i>)	BRLT
Magnetic Properties	Dr M.T.F. Telling	T. F. 12 (<i>wks 1-2</i>)	BRLT
3. Mechanical Properties			
Mechanical Properties of Composites	Prof. J.T. Czernuszka	T. F. 11 (<i>wks 4-5</i>)	BRLT
Macroplasticity & Mechanical Working Processes	Prof. S.G. Roberts	M. 12, T. 9, Th. 9, Th. 12 (<i>wk 1</i>) M. 9, M. 12, T. 9, Th. 9 (<i>wk 2</i>)	BRLT
4. Engineering Applications of Materials			
Engineering Alloys	Prof. R.C. Reed	T. 9, W. 10 (<i>wks 3-7</i>) F. 9 (<i>wks 4-7</i>)	BRLT
Ceramics and Glasses	Prof. J.T. Czernuszka	T. F. 11 (<i>wks 1-3</i>) W. 11 (<i>wk 1</i>) W. 12 (<i>wk 3</i>)	BRLT
Engineering Applications of Polymers	Prof. H.E. Assender	M. 11, Th. 10 (<i>wk 4</i>) Th. 10, F. 12 (<i>wk 5</i>)	BRLT
Other Lectures			
Practical Class Meeting	Prof. K.A.Q. O'Reilly	M. 9-9.30 (<i>wk 1</i>)	HRLT
Practical Classes	Prof. K.A.Q. O'Reilly	M.- Th. 2-5 (<i>wks 1-8</i>) <i>tbc</i>	Holder Building
Industrial Visit	Dr L.B. Jones	Th. 1-6 (<i>wk 5</i>)	HRF
MatSoc Industrial Visit	MatSoc	F. 1-6 (<i>wk 4</i>)	HRF
¹ Presentation Skills	Dr A.O. Taylor	F. 3-4.30 (<i>wk 2</i>)	BRLT
Workshop for Business Plan talks			
¹ Business Plan Presentations	Dr A.O. Taylor & Others	F. 1-6 (<i>wk 7</i>)	HRLT
JCCU 2-way feedback	JCCU Reps	T. 10 (<i>wk 7</i>)	BRLT

Subject	Lecturer	Time	Place
THIRD YEAR			
Workshop on Answering Examination Questions	Prof. P.D. Nellist	W. 9.30-11 (<i>wk 1</i>)	LR8 IEB
MEM Pt II Management Options Presentations	Dr J. Smart	M. 2-4 (<i>wk 4</i>)	Nelson Mandela Lecture Theatre
¹ Part II Presentations	All Part II students	Th. 9-5, F. 9-4 (<i>wk 2</i>)	HRLT
² Project Workshop – The Reality of Projects & Working for a Company	SBS Project Office	F. 10-4.30 (<i>wk 9</i>)	Seminar Room 3, East Wing, SBS
² General Management Revision Lecture	Dr K. Blackmon	Th. 10-12 (<i>wk 5</i>)	Nelson Mandela Lecture Theatre, SBS
^{1,4} Hilary Term Options (OP2) Classes			
^{1,4}Advanced Polymers			
Class 3	Class Lecturer	M. 11 (<i>wk 1</i>) T. 2 (<i>wk 1</i>) F. 2 (<i>wk 1</i>)	BRCR BRCR BRCR
^{1,4}Advanced Manufacture with Metals & Alloys: Processing, Joining & Shaping			
Class 2	Class Lecturer	T. 11 (<i>wk 1</i>) W. 11 (<i>wk 1</i>) F. 9 (<i>wk 1</i>)	BRCR BRCR BRCR
^{1,4}Devices			
Class 3	Class Lecturer	T. 4 (<i>wk 1</i>) AND W. 2 (<i>wk 1</i>)	BRCR BRCR
^{1,4}Biomaterials & Natural Materials			
Class 2	Class Lecturer	M. 9 (<i>wk 1</i>) M. 4 (<i>wk 1</i>) Th. 9 (<i>wk 1</i>)	BRCR BRCR BRCR
^{1,4}Advanced Engineering Alloys & Composites			
Class 2	Class Lecturer	M. 8.30 (<i>wk 1</i>) M. 11 (<i>wk 1</i>)	BRLT WMR
^{1,4}Materials for Energy Production, Distribution & Storage			
Class 3	Class Lecturer	M. 2 (<i>wk 1</i>) T. 9 (<i>wk 1</i>) F. 4 (<i>wk 1</i>)	BRCR BRCR BRCR
FOURTH YEAR			
¹ Part II Presentations	All Part II students	Th. 9-5, F. 9-4 (<i>wk 2</i>)	Hume-Rothery Lecture Theatre
Technology Transfer	ISIS Innovation (<i>tbc</i>)	<i>tbc</i>	<i>tbc</i>
² Workshop on Answering Examination Questions	Prof. P.D. Nellist	W. 9.30-11 (<i>wk 1</i>)	LR8 IEB
^{2,4} Hilary Term Options (OP2) Classes			
See Classes for HT Third Year, above			

Subject	Lecturer	Time	Place
POSTGRADUATE			
Postgraduate training			
Safety Lecture	Prof. A.A.R. Watt	T. 10 (<i>wk 1</i>)	LR8 IEB
Hydrofluoric Safety Lecture	Dr M. Nguyen	T. 11 (<i>wk 1</i>)	LR8 IEB
1 st Year PRS Vivas	Dr A.O. Taylor + All Academic Staff	F. 9–6 (<i>wks 3-5</i>)	ETBCR
Technology Transfer	ISIS Innovation (<i>tbc</i>)	<i>tbc</i>	<i>tbc</i>
Patent Literature	Dr L. Ristic	<i>Wk 7, tbc</i>	RSL Training Room
Industrial Visit	Dr L.B. Jones	Th. 1-6 (<i>wk 5</i>)	HRF
MatSoc Industrial Visit	MatSoc	F. 1-6 (<i>wk 4</i>)	HRF
Postgraduate lecture courses			
Spectroscopy with the (S)TEM	Dr R.J. Nicholls	T. 12 (<i>wk 4</i>)	BRLT
^{3,4} Hilary Term Options (OP2) Classes	See Classes for HT Third Year, above		
⁵Modular training courses in electron microscopy			
WDS and quantitative X-ray Analysis	Dr C.J. Salter	<i>tbc</i>	Contact EM Facility ⁵
Focussed ion-beam milling (FIB)	Dr G.M. Hughes	<i>tbc</i>	Contact EM Facility ⁵
Advanced Microanalysis	Prof. S. Lozano-Perez	<i>tbc</i>	Contact EM Facility ⁵
Research colloquia			
Materials Colloquia		Th. 3.30-5 (<i>wks 1,3,4,8</i>)	HRLT
MML Seminars		F. 2-4 (<i>wks 1,4-6,8</i>)	HRLT

¹Only for students reading Materials Science

²Only for students reading Materials, Economics and Management

³This course is also offered to undergraduates as a 3rd or 4th year option. All postgraduates are welcome to take the course. They may select it as one of the two assessed courses in the first year provided they have not already taken the course as an undergraduate.

⁴Students need to register for a specific class – details on how to do this are sent by e-mail

⁵Places on these courses are limited. Please apply to emaccess@materials.ox.ac.uk at least 2 weeks before the scheduled start date, which is advertised on the EM Group web-site: <http://www-em.materials.ox.ac.uk> Please direct any enquiries to Dr Neil Young.

Yellow highlight indicates items for which confirmation is awaited from SBS or Faculty of Economics