

DEPARTMENT OF MATERIALS

DIVISION OF MATHEMATICAL, PHYSICAL AND LIFE SCIENCES

LECTURE LIST FOR HILARY TERM 2026

Lectures begin on the first possible day after the beginning of Full Term unless otherwise stated.

Unless otherwise indicated, all lectures begin on the hour and finish at five minutes before the next hour.

No food or drink (except bottled water) is permitted in the lecture theatres.

Timetable for Materials Science

Key to Teaching Venue Abbreviations:

HRLT	Hume-Rothery Lecture Theatre, Hume-Rothery Building
BRLT	Banbury Road Lecture Theatre, 21 Banbury Road
LR3	Lecture Room 3, Thom Building (Eng Sci)
LR8 IEB	Lecture Room 8, Information Engineering Building
ETBCR	ETB Committee Room, Engineering Technology Building
BRCR	Banbury Road Conference Room, 21 Banbury Road
PRMR	Parks Road Meeting Room, 12/13 Parks Road
HRMR	Hume-Rothery Meeting Room, Hume-Rothery Building
HBTL	Holder Building Teaching Labs, Holder Building
HRF	Hume-Rothery Foyer, Hume-Rothery Building
RR	Rex Richards Room 40.08, Rex Richards Building

Subject	Lecturer	Time	Place
FIRST YEAR			
Practical Class Meeting	Prof.R.S. Bonilla	M. 10 (wk 1)	HRLT
Practical Classes	Various staff	Th. F. 2-5 (wks 1-8)	HBTL
Computing for Materials Science	Prof. J.R. Yates & Dr. Z Goodwin	T. 9-12 (wks 2-3)	RR/ 21 BRCR
Engineering Drawing Classes	Ms B. Hughes	F. 2-5 Group B wks 1&3, Group A wks 2&4)	Engineering Design Office, ETB
Crystallography Classes	Prof. R. Nicholls Dr A. Mostaed & Dr. J. Zhou	T. 9-12 (wks 4,6,8)	LR3 Thom Bldg
Looking to the Future: Career Planning	A.Evans	TBC	HRLT
Prelims Examination Briefing	Prof. T.J. Marrow	W. 10 (wk 8)	HRLT
Materials Science 1: Physical Foundations of Materials			
Electromagnetic Properties and Devices	Prof. S.C. Speller & Dr. T. Mitchell	M. W. Th. F. 11 (wk 1) M. Th. F. 11 (wk 2) M. Th. F. 11 (wk 3) W. 9, F. 11 (wk 4)	HRLT
Random Processes & Statistical Physics	Dr T Nimmo	M. W. Th. 11 (wks 4,6) Th. F.11(wk 5)	HRLT
Wave Mechanics, Quantum Theory and Bonding	Prof. R.J. Nicholls & Dr F. Fedele	Th. F. 12 (wks 4,6) Th. 12 (wk 7) F. 12 (wk 7) M. W. 12 (wk 8)	HRLT BRLT HRLT
Materials Science 2: Structure and Mechanical Properties of Materials			
Defects in Crystals	Prof. M.R. Castell	M. 9 (wks, 1) W. Th. F. 12 (wks 1,3) M. 12 (wk 3)	HRLT
Structures of Crystalline and Glassy Materials	Prof. M.L. Galano	W. 12 (wk 4) M. Th. 12 (wk 5) M.12 (wk 6)	HRLT
Materials Science 3: Transforming Materials			
Electrochemistry	Prof. M. Pasta	M. W. Th. 9 (wks 6-7) F. 9 (wk 6) F. 9 (wk 7)	HRLT HRLT BRLT
Mathematics for Materials Science			
Taylor Series and Limits	A. Moshtaghpour (RFI,RAL,)	W. Th. F. 9 (wk 1)	HRLT
Integration & Complex Numbers	Dr. K. Dey	<i>9 online lectures for students to view at appropriate times.</i> ONLINE discussion sessions (via Teams): Thursday 9-9.30 (wk 2) Tuesday 2-2.30 (wk 3) Friday 9-9.30 (wk 4) <i>The meeting link will be shared on Canvas.</i>	

Subject	Lecturer	Time	Place
Ordinary Differential Equations	Dr. G. Alanis	M. Th. F. 9 (wk 5) W. 12 (wk 6) M. W. 12 (wk 7)	HRLT
SECOND YEAR			
GP1: Lifecycle, Processing & Engineering of Materials			
Materials End-of-Life	Prof. H.E. Assender & Prof. S. Lozano-Perez	W, 10, Th. 10 (wks 1-4) F. 12 (wks 1-2) M. 11 (wks 3-4)	BRLT
GP2: Electronic Properties of Materials			
Semiconductor Materials and Devices	Prof. R.S. Bonilla	T.10 (wks 4-6) T. 10 (wk 7) 6 online lectures for students to view at appropriate times.	BRLT HRLT
GP3: Mechanical Properties of Materials			
Plastic Deformation of Materials	Dr E. Liotti	T. W. 9 (wks 1-4) F. 9 (wks 1-2)	BRLT
Structural Failure of Materials	Prof. D.E.J. Armstrong & Prof. T.J. Marrow	M. 9 (wks 3-5) Th. F. 9 (wks 3-4) Th. 9 (wk 5)	BRLT
GP4: Structure & Thermodynamics of Materials			
Structural & Compositional Characterisation of Materials I	Prof. S. Lozano-Perez & Prof. N. Grobert	T. 9, W. 11, Th. 10 (wks 5-6) T. 9, W. 11 (wk 7)	BRLT HRLT
Other Lectures			
Entrepreneurship/ Business Plan (Lecture)	Dr S.M. Wilkinson	M. 9, F. 11 (wk 1) M. F 11 (wk 2) F. 11 (wks 3,6-7) T. 11 (wk 8)	BRLT BRLT BRLT BRLT BRLT
Entrepreneurship/ Business Plan (Project Clinic)	Dr S.M. Wilkinson	ONLINE - F. 2-4 (wk 3) 15 mins per group between 2pm and 4pm (to sign up in advance)	
Entrepreneurship/ Business Plan (Feedback Clinic)	Dr S.M. Wilkinson	ONLINE - F. 2-4 (wk 7) 15 mins per group between 2pm and 4pm (to sign up in advance)	
Practical Class Meeting	Prof. R.S. Bonilla	M. 10:30 (wk 1)	BRLT
Industrial Visit	Prof R House	tbc	HRF
Practical Classes	Various staff	M. T. W. 2-5 (wks 1-8)	HBTL
Poster Competition	Prof. T.J. Marrow & Prof. D.E.J. Armstrong	F. 4-6 (wk 1)	IEB Atrium
Supplementary Subjects			
History and Philosophy of Science: The Origins of Science	Prof. R. Iliffe & Dr S. Allen	M. 12 (wks 1-8) See <u>Canvas</u> for details	tbc

Subject	Lecturer	Time	Place
Quantum Chemistry	Prof. D.E. Manolopoulos, Prof. S. R. Mackenzie, Prof. J.E. Mc Grady & Dr W. Barford	T. F. 11 (wks 1-7)	Physical and Theoretical Chemistry Laboratory
THIRD YEAR			
¹ Atomistic Modelling (two-week module)	Prof. J.R. Yates, Prof. R. Nicholls & Dr. B. Mahmoud	M-F. 9-5 (wks 1-2)	RR
¹ Advanced Characterisation of Materials (two-week module)	Prof. A.J. Wilkinson, Prof. M.L. Galano, Prof. N. Grobert & others	M-F. 9-5 (wks 1-2)	Lectures (HRLT) – Practical work – location varied
See timetable issued by module organisers for precise details and locations			
Hilary Term Options (OP2) Lectures			
Advanced Polymers	Dr M. Forghani	T. 11 (wks 3-7) Th. 12 (wk 3) F. 10 (wks 3-6) W. 9 (wk 5) Th. 11 (wk 6)	LR8
Quantum Technology	Prof. J.M. Smith	Th. 12 (wks 4-7) F. 9 (wks 4-5) M. 12 (wk 5) W. 10 (wks 6,8) M. 11 (wk 7-8) F. 10 (wk 7)	LR8
Enabling Nanotechnology: From Materials to Devices	TBC	M. 12, W. 9 (wks 3-4,6) T. 12 (wks 3, 6-7) T. 10 (wk 4) W. 12, Th. 9 (wk 7)	LR8
Materials for Nuclear Systems	Prof. T.J. Marrow, Prof. D.E.J. Armstrong & Prof. S. Lozano-Perez	W. 12 (wks 3-5) Th. 10 (wks 3-4) F. 9 (wks 3, 6-7) T. 9 (wk 5) M. 9 (wks 6-8)	LR8
Energy Materials	Prof. M. Pasta, Prof. M.S. Islam, Dr G. Smith, Dr P. Cong & Dr C. Sherwin	M. 9, W. 10, F. 12 (wks 3-4) M. 9, W. 10, Th. 11 (wk5) W. F. 12 (wk 6) M. 10 (wk 7)	LR8
Options Classes			
Michaelmas Term Options (OP1) Classes¹			
¹ Materials & Devices for Optics & Optoelectronics	Class Lecturer	2-hour classes	
Class 1 (Workshop)	Dr. G. Jones	M. 11-1 (wk 2)	LR8

Subject	Lecturer	Time	Place
Class 2	Dr. G. Jones	T. 2, W. 10, (wk 2) Th. 2 (wk 2)	ETBCR BRCC
Class 3	Dr. G. Jones	W. Th. F. 2 (wk 3)	BRCC
¹ Magnetic and Superconducting Materials	Class Lecturer	2-hour classes	
Class 2	Prof. S.C. Speller & Dr M. Slota	M. F. 2 (wk 2) W. 3 (wk 2)	BRCC BRCC
¹ Biomaterials	Class Lecturer	2-hour classes	
Class 3	Prof. S.C. Speller & Dr M. Slota	T. Th. 4, F.11 (wk 2)	BRCC
¹ Physics and Chemistry of Interfaces	Class Lecturer	2-hour classes	
Class 3	Dr. T. Whitfield	M. 9, W.12, Th. 11 (wk 2)	BRCC
¹ Microstructural Control in Engineering Alloys	Class Lecturer	2-hour classes	
Class 2	Prof. K.A.Q. O'Reilly & Dr E. Liotti	M. 4, T. 12, Th. 9 (wk 2)	BRCC
Hilary Term Options (OP2) Classes ¹			
¹ Advanced Polymers	Class Lecturer	2-hour classes	
Class 1	Dr M. Forghani	M. 4, T. 2, Th. 4 (wk 6)	ETBCR
Class 2	Dr M. Forghani	T. 2, Th. 4, F. 2 (wk 7)	ETBCR
Class 3	Dr M. Forghani	Th. 9, Th. 4, F. 2 (wk 8)	ETBCR
¹ Quantum Technology	Class Lecturer	2-hour classes	
Class 1	Prof. J.M. Smith	W. Th. 4, F. 2 (wk 7)	BRCC
Class 2	Prof. J.M. Smith	T. Th. 2, F. 4 (wk 8)	BRCC
Class 3	Prof. J.M. Smith	tbc (TT wk1)	tbc
¹ Enabling Nanotechnology: From Materials to Devices	Class Lecturer		
Class 1	TBC	M. 2-5 (wk 7)	ETBCR
Class 2	TBC	tbc (TT wk1)	ETBCR
¹ Materials for Nuclear Systems	Class Lecturer	2-hour classes	
Class 1	Prof. T.J. Marrow	T. 4, Th. 2, F. 4 (wk 6)	BRCC
Class 2	Prof. D.E.J. Armstrong	tbc (wk 1 TT)	BRCC
Class 3	Prof. S. Lozano-Perez	tbc (wk 1 TT)	tbc
¹ Energy Materials	Class Lecturer	2-hour classes	
Class 1	Prof. M. Pasta	T. 4, F. 2 (wk 6) Th. 4 (wk 6)	ETBCR BRCC
Class 2	Prof. M.S. Islam	W. 4, F. 4 (wk 7) Th. 2 (wk 7)	ETBCR BRCC
Class 3	Dr P. Cong & Dr C. Sherwin	T. 9 (wk 8) W. 11, Th. 2 (wk 8)	BRCC ETBCR
Other Lectures			
Part II Open Day	Prof. T.J. Marrow	W. 2-5 (wk 6)	BRLT
DPhil Poster Competition	Prof. A Wilkinson	W. 4.30-6.30 (wk 6)	IEB Atrium

Subject	Lecturer	Time	Place
FHS Examination Briefing	Prof. T.J. Marrow	F. 11 (wk 8)	HRLT
Industrial Visit	Prof. R. House	tbc	HRF
FOURTH YEAR			
Other Lectures			
¹ Writing Skills, Plagiarism, Laboratory Notebooks, IPR & Patents	Prof. H.E. Assender & Dr P.J. Warren	F. 2-5 (wk 3)	HRLT
Ethics & sustainability Workshop	Mrs. S. Job & by Mr S.P. Newbury	T. 9.30-5, W. 9.30-3.30 (wk 6)	HRMR
Presentation Skills: PowerPoint, Modern A/V Technology, PPT for Posters	H. Cotterill	T. 1-5 (wk 4)	HRLT
Practical Tips on Delivering a Research Talk (recording)	Dr A.O. Taylor	M. 3.30 (wk 5)	Online
DPHil Poster Competition	Prof. A. Wilkinson	W. 4.30-6.30 (wk 6)	IEB Atrium
POSTGRADUATES			
Please see the Researcher Training area on the MPLS website: https://www.mpls.ox.ac.uk/training/pgpr/PGR and the Bodleian Libraries iSkills Workshops: https://www.bodleian.ox.ac.uk/ask/workshops#/ and the Explore Digital Skill at Oxford pages of IT Services: https://skills.it.ox.ac.uk/whats-on#/			
Postgraduate training			
Poster Competition	Prof. A. Wilkinson	W. 4.30-6.30 (wk 6)	IEB Atrium
2 nd Year DPhil Talks	Prof. A. Wilkinson + All Academic Staff	M.T. W. Th. 10-6 (wk 7) F 10-6 (WK 7)	BRLT HRLT
Presentation Skills: PowerPoint, Modern A/V Technology, PPT for Posters	H. Cotterill	T. 1.-5 (wk 4)	HRLT
Postgraduate lecture courses			
Spectroscopy with (S)TEM	Dr A. Mostaed, Dr R.J. Nicholls & Prof. S. Lozano-Perez	W.2, F. 10 (wks 1-3) Th. 11 (wks 1) T. 11 (wk 2)	BRLT
Imaging and Diffraction in (S)TEM	Dr J.S. Kim & Dr N.P. Young	8 online lectures for students to view at appropriate times.	
Research colloquia			
Materials Colloquia	Various	Th. 3:30-5pm (wks 1,3,5,8)	HRLT
Modelling Seminars	Various	T. 2 (wk 6) Others tbc	HRLT

¹ Students attend one class in each set and need to register for a specific class – details on how to do this are in the Option Course Synopsis and on Canvas.

UNDERGRADUATE TEACHING LAB PRACTICAL SCHEDULES FOR HILARY TERM 2026

Senior Demonstrators and their Deputies are reminded that they are required to be in the Department on the days their practicals are scheduled

HT Wk	YEAR 1 (Thur, Fri)
1 2	1P5, Bubble Raft (JMS , SCB)
3 4	1P6, Thermal Analysis (KM , KAQOR)
5 6	1P7, Polymers – Molecular Weight Effects (YS , MP)
7 8	1P8, Electrode Potentials (NG , JMS)

HT Wk	YEAR 2 (Mon, Tue, Wed)
1 2	2P5, Mechanical Properties of Polymers (APT , HEA)
3 4	2P6, Dislocations & Plasticity (EL , TJM)
5 6	2P7, Corrosion (C Barker , SLP)
7 8	2P8, Diffusion (RH , TJM)