DEPARTMENT OF MATERIALS

DIVISION OF MATHEMATICAL, PHYSICAL AND LIFE SCIENCES

LECTURE LIST FOR TRINITY TERM 2024

Lectures begin on the first possible day after the beginning of Full Term (Sunday, 21 April) 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 Classes Meeting	Prof. D.E.J. Armstrong	M. 9.30-10 *(wk 1)*	HRLT
Practical Classes	Various staff	W.– F. 2-5 *(wks 1-4)*	HBTL
Introduction to Y2 Options	Prof. T.J. Marrow & Ms. P. Moss	M. 12 *(wk 8)*	HRLT
[2]Summer Exchange Safety Lecture	Prof. T.J. Marrow	Th. 10 *(wk 4)*	HRLT
[2]1:1 Review of Summer Exchange Risk Assessments	Prof. T.J. Marrow	Th. 9-12 *(wk 5)*	HRMR
Materials Science 1: Physical Foundations of Materials			
Wave Mechanics, Quantum Theory and Bonding	Dr F. Fedele	M. W. Th. F. 12 *(wk 1)*	HRLT
Materials Science 2: Structure and Mechanical Properties of Materials			
Mechanical Properties	Prof. D.E.J. Armstrong	M. W. Th. F. 11 *(wk 1)* M. W. 11 *(wk 2)* Th. F. 11 *(wk 2)* W. Th. F. 11 *(wk 3)* M. 11 *(wk 4)*	HRLT HRLT BRLT HRLT HRLT
Materials Science 3: Transforming Materials			
Microstructure & Processing of Materials II	Prof. C.R.M. Grovenor	M. 12 *(wks 2, 4)* W. 9 *(wks 2-3)* Th. F. 9 *(wk 2)* Th. F. 9 *(wk 3)*	HRLT HRLT BRLT HRLT

SECOND YEAR			
GP1: **Lifecycle, Processing & Engineering of Materials**			
Selection & Production of Engineering Materials	Prof H.E. Assender & Prof M.L. Galano	M. 12 *(wks 1-2)* T. 10 *(wk 1)* W. 10 *(wks 1-3)*	BRLT
Processing for Control of Materials Properties and Performance	Prof. R.C. Reed & Prof A.J. Wilkinson	T. W. 9 *(wks 1-5)* F. 9 *(wks 1,3-5)* F. 9 *(wk 2)* T. 9 *(wk 7)*	BRLT LR8 BRLT
GP2: **Electronic Properties of Materials**			
Electrical & Optical Properties of Materials	Prof M.R. Castell	T. 12 *(wks 2-3)* Th. F. 12 *(wks 1-3)*	BRLT
Magnetic Properties of Materials	Dr Z. Cai & Dr C. di Mino	Recommended view time of online lecture F. 12 *(wk 4)*	
		In-person lectures: T. Th. F. 12 *(wks 5-7)*	BRLT
GP3: **Mechanical Properties of Materials**			
Structural Failure of Materials	Prof. T.J. Marrow	M. 11 *(wks 4-5)* W. F. 11 *(wks 4-6)*	BRLT
GP4: **Structure & Thermodynamics of Materials**			
Structural & Compositional Characterisation of Materials	Prof. M.P. Moody	M. 10 *(wks 1-2)* Th. F. 10 *(wks 1-3)*	BRLT

Subject	*Lecturer*	*Time*	*Place*
Other Lectures			
Practical Class Meeting	Prof. D.E.J. Armstrong	M. 9-9.30 *(wk 1)*	HRLT
Practical Classes	Various staff	M.- Th. 2-5 *(wks 1-8)*	HBTL
Industrial Visit	Dr E. Liotti	Th. 1-6 *(wk 5 OR 6) OR* F. 1-6 *(wk 6)*	HRF
Presentation Skills Workshop for Business Plan talks	Prof. H. Bhaskaran	F. 2.30-4 *(wk 3)*	HRLT
Business Plan Presentations	Prof. H. Bhaskaran & Others	F. 1-6 *(wk 5)*	HRLT
[2]Summer Exchange Safety Lecture	Prof. T.J. Marrow	Th. 10 *(wk 4)*	HRLT
[2]1:1 Review of Summer Exchange Risk Assessments	Prof. T.J. Marrow	Th. 9-12 *(wk 5)*	HRMR

THIRD YEAR			
Part II Presentations	All Part II students	Th. 9-5, F. 9-5 *(wk 2)*	HRLT
[2]Summer Exchange Safety Lecture	Prof. T.J. Marrow	Th. 10 *(wk 4)*	HRLT
[2]1:1 Review of Summer Exchange Risk Assessments	Prof. T.J. Marrow	Th. 9-12 *(wk 5)*	HRMR
[1] Hilary Term Options (OP2) Classes			
[1]Quantum Technology	Class Lecturer		
Class 3	Prof. J.M. Smith	T. 2 (*wk 1)* W. 10 *(wk 1)* Th. 4 *(wk 1)*	BRCR BRCR BRCR
[1]Materials for Nuclear Systems			
Class 3	Prof. S. Lozano-Perez	M. 11 (wk 1) Th. 2 (wk 1) F. 10 (wk 1)	BRCR BRCR BRCR
[1]Enabling Nanotechnology			
Class 2	Prof. H. Bhaskaran	M. 2 (wk 2) T. 10 (wk 2) W. 2 (wk 2)	ETBCR ETBCR ETBCR

FOURTH YEAR			
[3]Hydrofluoric Safety Lecture	Mrs C.O. Foldbjerg Holdway	T. 11 (*wk 1*) tbc	HRLT
[3]Gas Canister Safety Briefing	Mrs C.O. Foldbjerg Holdway	W. 10 *(wk 1)*	Via Teams
Part II Presentations	All Part II students	Th. 9-5, F. 9-5 *(wk 2)*	HRLT

Subject	*Lecturer*	*Time*	*Place*
POSTGRADUATE			
Postgraduate training			
[3]Hydrofluoric Safety Lecture	Mrs C.O. Foldbjerg Holdway	T. 11 (*wk 1*)	Via Teams
[3]Gas Canister Safety Briefing	Mrs C.O. Foldbjerg Holdway	W. 10 *(wk 1)*	Via Teams
Preparing an article for submission to a materials journal	Prof. R.I. Todd	Available via Canvas	Online
Patent Literature	RSL	*Wk 7, tbc*	tbc
Research colloquia			
Materials Colloquia		Th. 3.30-5 (*wks 1-4)*	HRLT/Online
MML Seminars		T. 2-3.30 *(wks 2,4,6,8)*	HRLT/Online

[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.
[2]This is compulsory for those who have secured a place on a summer exchange placement or plan to undertake their Part II overseas.
[3]Contact Christina Foldbjerg Holdway for details and an invitation: christina.foldbjerg@materials.ox.ac.uk