

DEPARTMENT OF MATERIALS

DIVISION OF MATHEMATICAL, PHYSICAL AND LIFE SCIENCES

LECTURE LIST FOR TRINITY TERM 2025

Lectures begin on the first possible day after the beginning of Full Term (Sunday, 27 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. P.D. Nellist	M. 10.25-10.55 (wk 1)	HRLT
Practical Classes	Various staff	W.– F. 2-5 (wks 1-4)	HBTL
Introduction to Y2 Options	Prof. T.J. Marrow	M. 11 (wk 8)	HRLT
² Summer Exchange Safety Lecture	Prof. T.J. Marrow	W. 10 (wk 3)	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	T. W. F. 12 (wk 1) T. 9 (wk 2)	HRLT
Materials Science 2: Structure and Mechanical Properties of Materials			
Mechanical Properties	Prof. D.E.J. Armstrong & Dr A. Kareer	M. T. W. 11 (wk 1) T. W. 11 (wk 2) M. W. Th. F. 11 (wk 3) M. W. Th. 11 (wk 4)	HRLT HRLT HRLT HRLT
Materials Science 3: Transforming Materials			
Microstructure & Processing of Materials II	Dr E. Liotti	T. 12 (wk 2) W. 9 (wks 2-3) Th. F. 9 (wk 2) M. 12, Th. 9, 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	T. W. 10 (wks 1-3)	BRLT
Processing for Control of Materials Properties and Performance	Prof. R.C. Reed & Prof A.J. Wilkinson	T. 9 (wks 1-6) W. 9 (wks 1-4) F. 9 (wks 1,3-6) F. 9 (wk 2)	BRLT LR8
GP2: Electronic Properties of Materials			
Electrical & Optical Properties of Materials	Dr M. Slota	Th. F. 12 (wks 1-2) T. 12 (wks 2-3) M. F. 12 (wk 3)	BRLT
Magnetic Properties of Materials	Prof. G. Mazur	F. 12 (wk 4) T. Th. F. 12 (wks 5-7)	BRLT
GP3: Mechanical Properties of Materials			
Structural Failure of Materials	Prof. T.J. Marrow	M. 11 (wk 1,3) Th. F. 10 (wks 1-3)	BRLT
GP4: Structure & Thermodynamics of Materials			
Structural & Compositional Characterisation of Materials	Prof. R.A. House & Dr B. Maciejewska	T. 11 (wks 5) W, F. 11 (wks 5-6) W. 11 (wk 7)	BRLT
		Recommended viewing time for recorded lectures: M. 11 (wks 6 & 7)	

Subject	Lecturer	Time	Place
Other Lectures			
Practical Class Meeting	Prof. P.D. Nellist	M. 09.50-10.20 (wk 1)	HRLT
Practical Classes	Various staff	M.- Th. 2-5 (wks 1-8)	HBTL
Industrial Visit	Prof. J.R. Yates	Th. 1-6 (wk 5 or wk 6) TBC	HRF
Presentation Skills Workshop for Business Plan talks	Dr N. Farmakidis	F. 2.30-4 (wk 3)	HRLT
Business Plan Presentations	tbc & Others	F. 1-6 (wk 6)	HRLT
² Summer Exchange Safety Lecture	Prof. T.J. Marrow	W. 10 (wk 3)	HRLT
² 1:1 Review of Summer Exchange Risk Assessments	Prof. T.J. Marrow	Th. 9-12 (wk 5)	HRMR
Industrial Talk	Prof. J.R. Yates & Representative from TATA Steel	Th. 12 (wk 3)	LR8

THIRD YEAR			
Part II Presentations	All Part II students	Th. 9-5, F. 9-5 (wk 2)	HRLT
³ Summer Exchange Safety Lecture	Prof. T.J. Marrow	W. 10 (wk 3)	HRLT
³ 1:1 Review of Summer Exchange Risk Assessments	Prof. T.J. Marrow	Th. 9-12 (wk 5)	HRMR
¹ Michaelmas Term Options (OP1) Classes			
¹ Materials & Devices for Optics & Optoelectronics	Class Lecturer		
Class 3	G.S. Jones	Th. 12 (wk 1) F. 4 (wk 1)	BRCR BRCR
¹ Hilary Term Options (OP2) Classes			
¹ Quantum Technology	Class Lecturer		
Class 3	Prof. J.M. Smith	M. 4 (wk 1) W. 10 (wk 1) Th. 4 (wk 1)	BRCR BRCR BRCR
¹Materials for Nuclear Systems			
Class 2	Prof. D.E.J. Armstrong	M. 12 (wk 1) T. 10 (wk 1) T. 3 (wk 1)	BRCR BRCR BRCR
Class 3	Prof. S. Lozano-Perez	W. 2 (wk 1) Th. 2 (wk 1) F. 11 (wk 1)	BRCR BRCR BRCR
¹Enabling Technology: From Materials to Devices			
Class 2	Dr N. Farmakidis	M. 2 (wk 1) W. 4 (wk 1) F. 2 (wk 1)	BRCR BRCR BRCR

Subject	Lecturer	Time	Place
FOURTH YEAR			
³ Hydrofluoric Safety Lecture	Dr E. Townsend	Contact DSO@materials.ox.ac.uk	
³ Gas Canister Safety Briefing	Online course – see https://safety.admin.ox.ac.uk/training-a-z	If hands-on training required, contact DSO@materials.ox.ac.uk	
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	W. 10 (wk 3)	HRLT
² 1:1 Review of Summer Exchange Risk Assessments	Prof. T.J. Marrow	Th. 9-12 (wk 5)	HRMR

POSTGRADUATE			
Postgraduate training			
³ Hydrofluoric Safety Lecture	Dr E. Townsend	Contact DSO@materials.ox.ac.uk	
³ Gas Canister Safety Briefing	Online course – see https://safety.admin.ox.ac.uk/training-a-z	If hands-on training required, contact DSO@materials.ox.ac.uk	
Preparing an article for submission to a materials journal	Prof. R.I. Todd	Available via Canvas	Online
Research colloquia			
Materials Colloquia		Th. 3.30-5 (wks 0,1,3,5)	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.

²This is compulsory for those who have secured a place on a summer exchange placement or plan to undertake their Part II overseas.

³Contact dso@materials.ox.ac.uk for details and an invitation