DEPARTMENT OF MATERIALS

DIVISION OF MATHEMATICAL, PHYSICAL AND LIFE SCIENCES

Lecture List for Michaelmas Term 2019

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, 13 October) unless otherwise stated

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

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
LR8 IEB	Lecture Room 8, Information Engineering Building
ETBCR	ETB Committee Room, Engineering Technology Building
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

Subject	Lecturer	Time	Place
FIRST YEAR			
Induction Course	Dr A.O. Taylor, Ms P.J. Moss & others	F. 1:15-5:00 <i>(wk 0)</i>	HRLT
Introduction to Prelims Programme	Prof. C.R.M. Grovenor	M. 11 (<i>wk 1</i>)	HRLT
Introduction to Maths and Computing for Materials Science	Prof. J.R. Yates	M. 9 <i>(wk 1)</i>	HRLT
Introduction to Practicals	Prof. S. Lozano-Perez	T. 10.30 (wk 1)	LR8 IEB
Introduction to Computing	Dr P.J. Warren	T. W. Th. F. 2-5 (wk 1)	HBTL
Practical Classes	Various staff	Th. F. 2-5 <i>(wks 2-8)</i>	HBTL
Teaching, Study Skills & Learning Development	Dr A.O. Taylor & Prof. P.D. Nellist	Th. 11 (<i>wk 2</i>)	HRLT
The Institute of Materials - Benefits of Student Membership	S Boad – Institute of Materials	M. 12 (<i>wk 4</i>)	HRLT

Subject	Lecturer	Time	Place
Workshop on (i) Writing a Full Report on a Practical and (ii) Keeping a Good Laboratory Notebook	Prof. S. Lozano-Perez	T. 9.30-11 <i>(wk 2)</i>	HRLT
Introduction to Errors in Measurement	Prof. J.M. Smith	T. 2 <i>(wks 4-5)</i>	HRLT
Feedback for JCCU	JCCU Reps	F. 12 (wk 7)	HRLT
Materials Science 1:			
Physical Foundations of Ma	iterials		
The Study of Crystalline Materials by Diffraction	Prof. A.I. Kirkland	M. 11, T. 12 <i>(wk 2)</i> M. T. W. 3 <i>(wk 3)</i> Th. 9, Th. 12, F. 9 <i>(wk 4)</i>	HRLT
Crystal Model Make & Keep	Dr P. Chen	T. 9.30-11.30 (wk 3)	LR3 Thom Building
Crystallography Classes	Dr E.J. Darnbrough & Dr P. Chen	T. 9-12 (wks 4,6,7)	LR3 Thom Building
Computing for Materials Science MATLAB Classes	Prof. J.R. Yates	T. 9-12 <i>(wks 5,8)</i>	LR3 Thom Building
Waterials Science 2:	roportios of Matoriale		
Flastic Deformation	Prof A Wilkinson	M W Th F 12 (m/s 1 2)	HRI T
Structures of Crystalling and	Prof K A O O'Poilly 8	$M_{\rm W}$ Th E 12 (wks 1,3)	
Glassy Materials	Prof MI Calano	IVI. VV. TII. F. TZ (WAS 5-0)	
Materials Science 3:			
Transforming Materials			
Thermodynamics	Prof M.P. Moody	T 12 W 11 Th 11 F 11	HRIT
Thermodynamics	i initi initi i moody	(<i>wk 1</i>) M. 9 (<i>wks 2,4</i>) Th. 9, F. 9 (<i>wk 3</i>)	
Introduction to	Prof. N. Grobert	M. W. Th. F. 9 (wks 5,7)	HRLT
Nanomaterials			
Microstructure & Processing of Materials I	Prof. C.R.M. Grovenor	M. W. Th. F. 11 <i>(wk 6-7)</i>	HRLT
Mathematics for Materials Science			
Ordinary and Partial Differentiation	Dr E. Liberti	T. W. Th. F. 9 <i>(wk 1)</i> W. Th. F. 12 <i>(wk 2)</i>	HRLT
Vectors & Matrices	Prof. S.C. Benjamin	M. W. 11 (wks 3,5) Th. 11 (wk 3-5) M. W. 9 (wk 6) W. Th. 12 (wk 7)	HRLT
SECOND YEAR			
1. Structure and Transformation of Materials			
Surfaces and Interfaces	Dr P. Chen	M. 9. W. 10 (wks 6-7)	BRLT
Phase Transformations & Diffusion	Prof. C.R.M. Grovenor & Dr Y. Gong	T. 9, W. 10, F. 9 <i>(wks 1-5)</i> T. 9 <i>(wk 6)</i>	BRLT
2. Electronic Properties	D (11/ 2 11		
Quantum and Statistical Mechanics	Prof. J.M. Smith	M. 12, Th. 10 <i>(wk 3-7)</i> W. 12 (wks 3.5)	BRLT
3. Mechanical Properties	Å		1
Elastic Behaviour in	Prof. P.D. Nellist	W. Th. 9 (<i>wks 1-2)</i>	BRLT
Isotropic Materials			
IVIICIOPIASTICITY	Dr E.K.R. Tarleton & Prof. T.J. Marrow	M. 11, W. 12 (<i>WK 2)</i> M. 11, Th. 12 (<i>WK 3-6</i>)	BKLI

4. Engineering Applications of Materials Dr N.P. Young W. Th. 9 (wks 3-6) BRLT Microstructural Characterisation of Materials Dr N.P. Young W. Th. 9 (wks 3-6) BRLT Other Lectures
Microstructural Characterisation of MaterialsDr N.P. YoungW. Th. 9 (wks 3-6)BRLTCharacterisation of MaterialsDr N.P. YoungW. Th. 9 (wks 3-6)BRLTOther LecturesFord. C.R.M. GrovenorM. 9 (wk 1)BRLTIntroduction to the Part I Mathematics – Partial Differential Equations & Fourier SeriesProf. S. Lozano-PerezM. 10 (wk 1)BRLTDifferential Equations & Fourier SeriesProf. S. C. BenjaminM. W. 12 (wk 1) Th. 11, F. 12 (wks 3-4)BRLTDifferential Equations &
Characterisation of Materials Image: Characterisation of Materials Image: Characterisation of Materials Other Lectures Image: Characterisation of Materials Image: Characterisation of Materials Other Lectures Image: Characterisation of Materials Image: Characterisation of Materials Introduction to the Part I Mathematics – Partial Differential Equations & Prof. S. C. Benjamin M. 10 (wk 1) BRLT Mathematics – Partial Differential Equations & Prof. S. C. Benjamin M. W. 12 (wk 3) BRLT Pourier Series Dr E. Williams F. 2.00 – 4.00 (wk 3) BRCR Plan – workshop on 'Teams' Dr E. Williams Th. 2 – 4 (wk 7) BRLT Presentation by Johnson-Matthey Representative Prof. S. Newbury Th. 11 (wk 7) BRLT Matthey Representative Th. 11 (wk 7) BRLT Presentation by Johnson-Matthey Representative Th. 11 (wk 7) BRLT Introduction to Industrial Visit Dr E. Liotti M. 12 (wk 2) BRLT Industrial Visit Dr E. Liotti Friday wk 5 AND HBTL Industrial Visit Dr A.O. Taylor & Mr D. F. 2-3.30 (wk 6) HRT Supplementary Subjects Dr J. Lidwell-Durmin T. 12 (wks 1-8) L
Other LecturesProf. C.R.M. GrovenorM. 9 (wk 1)BRLTIntroduction to the Part I Materials ProgrammeProf. C.R.M. GrovenorM. 9 (wk 1)BRLTIntroduction to PracticalsProf. S. Lozano-PerezM. 10 (wk 1)BRLTMathematics – Partial Differential Equations & Fourier SeriesProf. S. C. BenjaminM. W. 12 (wk 2) T. 10, F. 12 (wk 2) T. 10, F. 12 (wk 3-4)BRLTEntrepreneurship/Business Plan – workshop on 'Teams'Dr E. WilliamsF. 2.00 – 4.00 (wk 3)BRCREngineering & Society: Plan briefingDr S.M. Wilkinson & Prof. S. NewburyTh. 2 – 4 (wk 7)BRLTPresentation by Johnson- Matthey RepresentativeHoD & Johnson-Matthey RepresentativeTh. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, Georne Street
Other LecturesProf. C.R.M. GrovenorM. 9 (wk 1)BRLTIntroduction to the Part I Materials ProgrammeProf. C.R.M. GrovenorM. 9 (wk 1)BRLTIntroduction to PracticalsProf. S. Lozano-PerezM. 10 (wk 1)BRLTMathematics – Partial Differential Equations & Fourier SeriesProf. S.C. BenjaminM. W. 12 (wk 2) T. 10, F. 12 (wk 2) T. 10, F. 12 (wk 3-4)BRLTEntrepreneurship/Business Plan – workshop on 'Teams'Dr E. WilliamsF. 2.00 – 4.00 (wk 3)BRCREngineering & Society: Engineering & Society: Prof. S. NewburyDr S.M. Wilkinson & Prof. S. NewburyTh. 12 – 4 (wk 7)BRLTPresentation by Johnson- Matthey RepresentativeHoD & Johnson-Matthey RepresentativeTh. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLT*Proster Presentation Skills BakerDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, Georne Street
Other LecturesProf. C.R.M. GrovenorM. 9 (wk 1)BRLTIntroduction to the Part I Materials ProgrammeProf. C.R.M. GrovenorM. 9 (wk 1)BRLTIntroduction to PracticalsProf. S. Lozano-PerezM. 10 (wk 1)BRLTMathematics – Partial Differential Equations & Fourier SeriesProf. S.C. BenjaminM. W. 12 (wk 1) Th. 11, F. 12 (wk 2) T. 10, F. 12 (wk 3-4)BRLTEntrepreneurship/Business Plan – workshop on 'Teams'Dr E. WilliamsF. 2.00 – 4.00 (wk 3)BRCRPresentation by Johnson- MattheyDr S.M. Wilkinson & Prof. S. NewburyTh. 2 - 4 (wk 7)BRLTPresentation by Johnson- MattheyHoD & Johnson-Matthey RepresentativeTh. 11 (wk 7)BRLTPredeback for JCCUJCCU RepsTh. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HBTLIndustrial VisitDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, Georre Streat
Introduction for PracticalsProf. S. Lozano-PerezM. 0 (wk 1)BRLTIntroduction to PracticalsProf. S. Lozano-PerezM. 10 (wk 1)BRLTMaterials ProgrammeProf. S.C. BenjaminM. W. 12 (wk 1)BRLTDifferential Equations & Fourier SeriesProf. S.C. BenjaminM. W. 12 (wk 2) T. 10, F. 12 (wks 3-4)BRLTEntrepreneurship/Business Plan – workshop on 'Teams'Dr E. WilliamsF. 2.00 – 4.00 (wk 3)BRCRPresentation by Johnson- MattheyProf. S. NewburyTh. 12 - 4 (wk 7)BRLTPresentation by Johnson- MattheyHoD & Johnson-Matthey RepresentativeTh. 12 - 2 (wk 2) Th. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTIndustrial VisitDr E. LiottiM. 12 (wk 2)BRLTIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HBTLPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, George Street
Introduction to PracticalsProf. S. Lozano-PerezM. 10 (wk 1)BRLTMathematics – Partial Differential Equations & Fourier SeriesProf. S.C. BenjaminM. W. 12 (wk 1) Th. 11, F. 12 (wk 2) T. 10, F. 12 (wk 3-4)BRLTEntrepreneurship/Business Plan – workshop on 'Teams'Dr E. WilliamsF. 2.00 – 4.00 (wk 3)BRCREngineering & Society: Entrepreneurship/Business plan briefingDr S.M. Wilkinson & Prof. S. NewburyTh. 2 – 4 (wk 7)BRLTPresentation by Johnson- MattheyDr B. Z. Our A.00 (wk 2)BRCRPresentation by Johnson- MattheyHoD & Johnson-Matthey RepresentativeTh. 12-2 (wk 2)BRCRIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTIndustrial VisitDr E. LiottiM. 12 (wk 2)BRLTPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, Genore Street
Mathematics – Partial Differential Equations & Fourier SeriesProf. S.C. BenjaminM. W. 12 (wk 1) Th. 11, F. 12 (wk 2) T. 10, F. 12 (wk 3-4)BRLTEntrepreneurship/Business Plan – workshop on 'Teams'Dr E. WilliamsF. 2.00 – 4.00 (wk 3)BRCREngineering & Society: Entrepreneurship/Business plan briefingDr S.M. Wilkinson & Prof. S. NewburyTh. 2 – 4 (wk 7)BRLTPresentation by Johnson- MattheyDr E. VilliamsTh. 12-2 (wk 2) Prof. S. NewburyBRCRPresentation by Johnson- MattheyHOD & Johnson-Matthey RepresentativeTh. 12-2 (wk 2) BRLTBRCRPresentation by Johnson- MattheyJCCU RepsTh. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2) BRLTBRLTPractical Classes Industrial VisitVarious staffM. T. W. 2-5 (wks 1-8)HBTLPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, Georee Street
Differential Equations & Fourier SeriesTh. 11, F. 12 (wk 2) T. 10, F. 12 (wk 3-4)Entrepreneurship/Business Plan – workshop on 'Teams'Dr E. WilliamsF. 2.00 – 4.00 (wk 3)BRCREngineering & Society: Entrepreneurship/Business plan briefingDr S.M. Wilkinson & Prof. S. NewburyTh. 2 – 4 (wk 7)BRLTPresentation by Johnson- Matthey Feedback for JCCUHoD & Johnson-Matthey RepresentativeTh. 11 (wk 7)BRCRIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTIndustrial VisitDr E. LiottiM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, George Stract to
Fourier SeriesT. 10, F. 12 (wks 3-4)Entrepreneurship/Business Plan – workshop on 'Teams'Dr E. WilliamsF. 2.00 – 4.00 (wk 3)BRCREngineering & Society: plan briefingDr S.M. Wilkinson & Prof. S. NewburyTh. 2 – 4 (wk 7)BRLTPresentation by Johnson- Matthey Feedback for JCCUHoD & Johnson-Matthey RepresentativeTh. 12-2 (wk 2)BRCRIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 7)BRLTIndustrial VisitDr E. LiottiM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLT ² History and Philosophy of Science: The Origins ofDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, George Street
Entrepreneurship/Business Plan – workshop on 'Teams'Dr E. WilliamsF. 2.00 – 4.00 (wk 3)BRCREngineering & Society: Entrepreneurship/Business plan briefingDr S.M. Wilkinson & Prof. S. NewburyTh. 2 – 4 (wk 7)BRLTPresentation by Johnson- Matthey Feedback for JCCUHoD & Johnson-Matthey RepresentativeTh. 12-2 (wk 2)BRCRIntroduction to Industrial VisitsJCCU RepsTh. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTIndustrial VisitDr E. LiottiM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLT2WorkshopDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, Georre Street
Engineering & Society: Entrepreneurship/Business plan briefingDr S.M. Wilkinson & Prof. S. NewburyTh. 2 – 4 (wk 7)BRLTPresentation by Johnson- MattheyHoD & Johnson-Matthey RepresentativeTh. 12-2 (wk 2)BRCRFeedback for JCCUJCCU RepsTh. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTPractical ClassesVarious staffM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLT2History and Philosophy of Science: The Origins ofDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, Genree Street
Entrepreneurship/Business plan briefingProf. S. NewburyProf. S. NewburyPresentation by Johnson- MattheyHoD & Johnson-Matthey RepresentativeTh. 12-2 (wk 2)BRCRFeedback for JCCUJCCU RepsTh. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTPractical ClassesVarious staffM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTPublementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, Georre Street
plan briefingHoD & Johnson-Matthey RepresentativeTh. 12-2 (wk 2)BRCRPresentation by Johnson- MattheyHoD & Johnson-Matthey RepresentativeTh. 12-2 (wk 2)BRCRFeedback for JCCUJCCU RepsTh. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTPractical ClassesVarious staffM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, George Streat
Presentation by Johnson- MattheyHoD & Johnson-Matthey RepresentativeInt. 12-2 (WA 2)BRCKFeedback for JCCUJCCU RepsTh. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTPractical ClassesVarious staffM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, George Street
Feedback for JCCUJCCU RepsTh. 11 (wk 7)BRLTIntroduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTPractical ClassesVarious staffM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, George Street
Introduction to Industrial VisitsDr E. LiottiM. 12 (wk 2)BRLTPractical ClassesVarious staffM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, George Street
VisitsVarious staffM. T. W. 2-5 (wks 1-8)HBTLIndustrial VisitDr E. LiottiFriday wk 5 AND Thursday wk 8HRFPoster Presentation Skills WorkshopDr A.O. Taylor & Mr D. BakerF. 2-3.30 (wk 6)HRLTSupplementary SubjectsDr J. Lidwell-DurninT. 12 (wks 1-8)Lecture Theatre History Faculty, George Street
Practical Classes Various staff M. T. W. 2-5 (wks 1-8) HBTL Industrial Visit Dr E. Liotti Friday wk 5 AND HRF Poster Presentation Skills Dr A.O. Taylor & Mr D. F. 2-3.30 (wk 6) HRLT Workshop Baker Image: Complementary Subjects Image: Complementary Subjects Image: Complementary Subjects ² History and Philosophy of Science: The Origins of Dr J. Lidwell-Durnin T. 12 (wks 1-8) Lecture Theatre History Faculty, George Street
Industrial Visit Dr E. Liotti Friday wk 5 AND Thursday wk 8 HRF Poster Presentation Skills Workshop Dr A.O. Taylor & Mr D. Baker F. 2-3.30 (wk 6) HRLT Supplementary Subjects Dr J. Lidwell-Durnin T. 12 (wks 1-8) Lecture Theatre History Faculty, George Street
Poster Presentation Skills Dr A.O. Taylor & Mr D. F. 2-3.30 (wk 6) HRLT Workshop Baker Image: Supplementary Subjects Image: Supplementar
Poster Presentation Skills Dr A.O. Taylor & WrD. P. 2-3.30 (WkD) HKLT Workshop Baker Image: Supplementary Subjects Image: Supplementary Subjects ² History and Philosophy of Science: The Origins of Dr J. Lidwell-Durnin T. 12 (wks 1-8) Lecture Theatre History Faculty, George Street
Supplementary Subjects Dr J. Lidwell-Durnin T. 12 (wks 1-8) Lecture Theatre History Faculty, George Street
Supplementary Subjects Image: Constraint of the stress of th
² History and Philosophy of Science: The Origins of S
^{1,2} Ouantum Chomistry Prof D.E. Manolopoulos T. F. 11 (<i>wks 1-8</i>) Physical and
& Prof S.R. Mackenzie Theoretical Chemistry Laboratory
Options Paper 1
² Materials & Devices for Prof. J.M. Smith T. 12 (<i>wks 4-7</i>) BRLT
Optics & Optoelectronics W. 9, F. 9 (wks 4-7) LR8
² Prediction of Materials Dr C.E. Patrick W. 9, Th. 10 (<i>wk</i> 3) LR8
Properties M. 10, Th. 10, F. 12 (<i>wks 4</i> -
$\frac{6}{10}$
² Nanomaterials Prof. N. Grobert, Prof. K. W. 12, F. 9 (<i>wk</i> 3) LR8
Porfyrakis & Prof. H. Bhaskaran
² Engineering Ceramics: Prof. R.I. Todd Th. 12. F. 10 (wks 3-6) LR8
Synthesis & Properties T. 11 (<i>wks 4-7</i>) BRLT
² Advanced Manufacture with Prof. K.A.Q. O'Reilly & W. 10, Th. 9, F. 12 (wk 3) LR8
Metals and Alloys: Dr E. Liotti M. 12, W. 10, Th. 9 (wk 4-6)
Processing, Joining &

Subject	Lecturer	Time	Place
Options Classos	 		
2,3Materials & Devices for	Class Lecturer		
Optics & Optoelectronics			
Class 1	Prof. J.M. Smith	M. 2, Th. 4, F. 2 (wk 7)	BRCR
Class 2	Prof. J.M. Smith	T. 9, T. 2, Th. 9 (wk 8)	BRCR
Class 3	Prof. J.M. Smith	Tbc (wk 3 HT)	BRCR
^{2,3} Advanced Manufacture	Class Lecturer		
with Metals & Alloys		$T \cap M$ to $Th \cap (m/r, 7)$	
Class 1	Prof. K.A.Q. O'Relliy	1.9, W. 10, In. 2 (WK 7)	BRCR
Class 2			BRCR
^{2,3} Prediction of Materials	Class Lecturer		
Properties	Class Lectures		
Class 1	Dr C.E. Patrick	T. 2, W. 4, Th. 2 (wk 6)	BRCR
Class 2	Dr C.E. Patrick	Th. 9, F. 11, F. 4 (wk 7)	BRCR
Class 3	Dr C.E. Patrick	Tbc (wk 3 HT)	BRCR
^{2,3} Nanomaterials	Class Lecturer		
Class 1	Prof N. Grobert	T. 4, W. 2, F. 4 (wk 6)	BRCR
Class 2	Prof K. Porfyrakis	T. 11, T. 4, Th. 2 <i>(wk 8)</i>	BRCR
Class 3	Prof H. Bhaskaran	Tbc (<i>wk 3 H1</i>)	BRCR
	<u>Clean Lasturar</u>		
Synthesis & Properties	Class Lecturer		
Class 1	Prof R L Todd	Th 4 F 2 (wk 6)	BRCR
		T. 4 (wk 7)	DICOIC
Class 2	Prof. R.I. Todd	M. 10, M. 4, W. 9 (wk 8)	BRCR
Class 3	Prof. R.I. Todd	Tbc (wk 3 HT)	BRCR
Other Lectures			
Introduction to	Prof. M.P. Moody &	T. 9.30 <i>(wk 4)</i>	HRLT
Characterisation/Modelling	Prof. J.R. Yates		
Feedback for ICCU		E 11 (wk 6)	IEB I R8
Presentation by Johnson-	HoD & Johnson-Matthey	Th 12-2 $(wk 2)$	BRCR
Matthey	Representative		Briterit
Introduction to Team Design	Dr A.O. Taylor	M. 9.30-10.30 (wk 1)	BRCR
Project		· · · ·	
TDP Workshop on Markets	Prof. S. Newbury	T 9.30-10.30 (wk 1)	BRCR
and Market Disruptors			575.05
Leam Design Project	2x Examiners	F. 1-6 (<i>wk 3) tbc</i>	FIRCK
Presentations		$T_{10}(wk 5)$	
Briefing	FIUL N.A.Q. U Kelliy	1. IU (WA 3)	DILI
Industrial Visit	Dr E. Liotti	Friday wk 5 AND	HRF
		Thursday wk 8	
'Supercollection' Feedback	Various	T. 2-4 (wk 4)	BRLT
GP1/2			
'Supercollection' Feedback	Various	W. 2-4 (wk 4)	BRLT
GP3/4			

Subject	Lecturer	Time	Place
FOURTH YEAR			
Part II Induction Course	Prof. K.A.Q. O'Reilly & others	M. 9.30 – 12.30 <i>(wk -3)</i>	HRLT
Part II Project Management	Prof. K.A.Q. O'Reilly & others	Th. 1.30 – 5 <i>(wk -3)</i>	HRLT
Workshops on Ethics & Sustainability, in the context of Part II	Co-ordinated by Prof. S. Newbury	W. 2–5 <i>(wk 4)</i>	HRLT
Workshop on Engineering/Scientific Context in respect of Part II Projects	Prof. R.C. Reed	M. 10 <i>(wk 7)</i>	HRLT
DPhil Open Day	Dr A.O. Taylor & Prof. P.D. Nellist	W. 2.30-4 <i>(wk 3)</i>	BRCR
Information Skills & Managing Your References	L. Ristic (RSL)	M. 09.30-11.30 (wk -2)	RSL Seminar Room
Careers and Networking Evening with Alumni (for Yr 3+ postgraduates, post- doctoral researchers, & Part II students)	Dr A.O. Taylor & others	F. 4-6.30 (<i>wk 1</i>)	HRLT then HB Café
The OU Careers Service – Active Job Hunting	Dr A. Evans	T. 1 (<i>wk 1</i>)	BRCR
Industrial Visit	Dr E. Liotti	(wk 5 or 6) tbc	HRF
MATLAB Workshop - Refresher	G. Matthews	W. 2-5 <i>(wk 2)</i>	HBTL
MATLAB Workshop – Next Level	G. Matthews	Th. 2-5 <i>(wk 2)</i>	HBTL
LabVIEW workshop	Dr F. Vigneau & Dr Z. Cheng	T. 9.30-12.00 (wk 3)	HBTL
Presentation by Johnson- Matthey	HoD and Johnson- Matthey Representative	Th. 12-2 (wk 2)	BRCR
POSTGRADUATES			
Please also see the Research https://weblearn.ox.ac.uk/po	cher Training sub-site on ortal/hierarchy/grad	WebLearn,	
Postgraduate training Induction course for Postgraduate students	Dr A.O. Taylor & others	M. T. 9-5 <i>(wk 0)</i>	HRLT
Safety (Compulsory for all new research workers)	Dr P.A.J. Bagot	T. 10 (wk 1)	HRLT
Hydrofluoric Acid Safety	Dr P.A.J. Bagot	T. 11 (wk 1)	HRLT
OU Introduction to Laser	contact the University	tbc	tbc
Safety	Safety Office		
The OU Careers Service –	Dr A. Evans	T. 1 (<i>wk 1)</i>	BRCR
Looking to the Future – What Do Employers Seek? (for 1 st year postgraduates)	Dr R. Bray (OUCaS), Dr A.O. Taylor, Dr A. Norton (Rolls-Royce), Dr M. Saran (Royal Bank of Scotland)	F. 3-4.30 <i>(wk 5)</i>	HRLT
Careers and Networking Evening with Alumni (for Yr 3+ postgraduates, post- doctoral researchers, & Part II students)	Dr A.O. Taylor & others	F. 4-6.30 (<i>wk 1</i>)	HRLT then HB Café

Subject	Lecturer	Time	Place
Project Management	Dr P.D. Warren, NSG (Pilkington), & Dr A.O.	F. 12-1 (wk 4)	HRLT
	Taylor	F. 2-4 (wk 4)	BRCR
The Institute of Materials –	S Boad, Institute of	M. 12 (wk 4)	HRLT
Benefits of Student	Materials		
Membership			
Owning a successful DPhil	JCCG	tbc	tbc
X-ray Diffractometry	Prof. C.R.M. Grovenor	M. 10 (wks 3-4)	HRLT
Optical Microscopy	Prof. P.D. Nellist	M. 2.30-4.30 (wk 2)	HRLT
Poster Presentation Skills	Dr A.O. Taylor	T. 3.30-5 (wk 8)	HRLT
Presentation by Johnson- Matthey	Representative	Th. 12-2 <i>(WK 2)</i>	BRCR
Teaching Skills: Tutoring Maths Classes	Prof. J.R. Yates	F. 2-5 <i>(wk 1)</i>	BRCR
Teaching Skills: Tutoring Materials Science	Prof. S.C. Speller	Th. 2-5 <i>(wk 2)</i>	ETBCR
Teaching Skills: Delivering a	Dr A.O. Taylor	Th. 2-5 (wk 1)	BRCR
Teaching Skills: Junior	Prof. S. Lozano-Perez &	M. 11-1.30 (wk 7)	BRCR
Demonstrating in the	others	OR	BROR
Materials Teaching Lab		F. 11-1.30 (wk 7)	ETBCR
Introduction to RSL	RSL representative	T. 3.30-4.00 (wk 0)	RSL Training Room
Information Skills	RSL representative	F. 10.30-11.30 (wk 2)	_
		OR	RSL Training Room
		Th. 12-1 <i>(wk 3)</i>	
MATLAB Workshop - Refresher	G. Matthews	T. 2-5 <i>(wk 2)</i>	HBTL
MATLAB Workshop – Next Level	G. Matthews	W. 2-5 <i>(wk 2)</i>	HBTL
LabVIEW workshop	Dr F. Vigneau & Dr Z. Cheng	T. 9.30-12.00 (wk 3)	HBTL
Industrial Visit	Dr E. Liotti	(wk 5 or 6) tbc	HRF
Postgraduate lecture courses			
Electron Microscopy	Dr N.P. Young, Dr G.M. Hughes & Prof. P.D. Nellist	W. Th. 10 (<i>wks 1-3)</i> F. 10 (<i>wks 1,3</i>)	HRLI
Microscopy and Analysis of Surfaces	Dr C.S. Allen	M. 10 <i>(wk 5-6)</i> Th. F. 10 <i>(wks 4-6)</i>	HRLT
	•		
⁵ Modular training courses in electron microscopy			
Electron Backscattering	Dr G.M. Hughes, Dr P.	tbc	Sign-up as below ⁸
Diffraction (EBSD)	Karamched & J. Holter		5 1
Focussed ion-beam milling (FIB)	Dr G.M. Hughes	tbc	Sign-up as below ⁸
Options Lectures	·		
^{2,4} Materials & Devices for	Prof. J.M. Smith	T. 12 <i>(wks 4-7)</i>	BRLT
Optics & Optoelectronics		W. 9, F. 9 <i>(wks 4-7)</i>	LR8
^{2,4} Prediction of Materials	Dr C.E. Patrick	W. 9, Th. 10 <i>(wk 3)</i>	LR8
Properties		M. 10, Th. 10, F. 12 (<i>wks 4</i> -	
		0) M. 10 <i>(wk</i> 7)	

Subject	Lecturer	Time	Place
24Nanomatorials	Prof N Grobert Prof K	M 12 E Q (w/c 2)	
· Nationalenais	Porfvrakis & Prof H	M 9 W 12 ($wks 4-8$)	LINO
	Bhaskaran		
^{2,4} Engineering Ceramics:	Prof. R.I. Todd	Th. 12, F. 10 (wks 3-6)	LR8
Synthesis & Properties		T. 11 (wks 4-7)	BRLT
^{2,4} Advanced Manufacture	Prof. K.A.Q. O'Reilly &	W. 10, Th. 9, F. 12 (wk 3)	LR8
with Metals and Alloys	Dr E. Liotti	M. 12, W. 10, Th. 9 (wk 4-6)	
Ontions Classes			
^{2,3,4} Materials & Devices for	Class Lecturer		
Optics & Optoelectronics			
Class 1	Prof. J.M. Smith	M. 2, Th. 4, F. 2 (wk 7)	BRCR
Class 2	Prof. J.M. Smith	T. 9, T. 2, Th. 9 (wk 8)	BRCR
Class 3	Prof. J.M. Smith	Tbc (wk 3 HT)	B RCR
^{2,3,4} Advanced Manufacture	Class Lecturer		
with Metals & Alloys			
Class 1	Prof. K.A.Q. O'Reilly	1.9, W. 10, Th. 2 (<i>wk 7</i>)	BRCR
Class 2	Dr E. LIOTTI	1bc (WK 3 H1)	BRCR
2.3.4Prediction of Materials	Class Locturer		
Properties			
Class 1	Dr C.E. Patrick	T. 2. W. 4. Th. 2 (wk 6)	BRCR
Class 2	Dr C.E. Patrick	Th. 9, F. 11, F. 4 (wk 7)	BRCR
Class 3	Dr C.E. Patrick	Tbc (wk 3 HT)	BRCR
^{2,3,4} Nanomaterials	Class Lecturer		
Class 1	Prof N. Grobert	T. 4, W. 2, F. 4 <i>(wk 6)</i>	BRCR
Class 2	Prof K. Porfyrakis	T. 11, T. 4, Th. 2 <i>(wk 8)</i>	BRCR
Class 3	Prof H. Bhaskaran	Tbc (<i>wk 3 HT</i>)	BRCR
2,0,4 Engineering Ceramics:	Class Lecturer		
Class 1	Prof R L Todd	Th 4 F 2 (wk 6)	BRCR
		T. 4 (wk 7)	DICOIC
Class 2	Prof. R.I. Todd	M. 10, M. 4, W. 9 <i>(wk 8)</i>	BRCR
Class 3		Tbc (wk 3 HT)	BRCR
Research colloquia			
Materials Colloquia		Th. 3:30-5pm (<i>wks 1,3,4,8</i>)	HRLT
QIP Seminars		tbc	Phrontisterion

¹Students who wish to attend the Supplementary Subject lectures should be aware that due to timetabling constraints, some of the lectures may overlap with core lectures.

²The lecture courses each have three hours of associated classes

³Students attend one class in each week and need to register for a specific class via <u>WebLearn</u> ⁴This course is also offered to undergraduates as a 3rd 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.

⁵Places on these courses are limited. Please apply to <u>emaccess@materials.ox.ac.uk</u> at least 2 weeks before the scheduled start date (this reflects the minimum provision – alternative arrangements may be available by contacting Dr Neil Young at <u>emaccess@materials.ox.ac.uk</u>.

UNDERGRADUATE TEACHING LAB PRACTICAL SCHEDULES FOR MICHAELMAS TERM 2019

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

MT Wk	YEAR 1 (Thur, Fri) [except Week1, when it is Tues-Fri]
1	1P1a, Intro to Computing (PJW , Rob Saunders)
2	1P1b, Intro to Microscopy (KAQOR, SLP)
3	
4	1P2, Intro to MatLab (AARW /S Bonilla)
5	
6	1P3, Young's Modulus (JMS / PDN, IJM)
7	
8	1P4 Metallography (P Karamched, tbc)

MT Wk	YEAR 2 (Mon, Tue, Wed)
1	2P2. Dislocations & Deformation (B-S Li , JTC)
2	
3	2P9, Steels (C Salter , TJM)
4	
5	2P10, Materials Selection (DEJA , tbc)
6	
7	2P3. Casting (KAQOR . tbc)
8	