

General Scheme 2023/24 (03.10.2023)				Grey shading = to be confirmed		
Year	Paper	Course Title	Lecturer(s)	MT	HT	TT
UG Y1	Y1 Coursework & Other Elements	Induction & Tour of the Department	Prof H.E. Assender, Prof T.J. Marrow, Ms P.J. Moss & others	3		
UG Y1	Y1 Coursework & Other Elements	Introduction to the Prelims Programme	Prof T.J. Marrow	1		
UG Y1	Y1 Coursework & Other Elements	Teaching, Study Skills & Learning Development	Prof T.J. Marrow	1		
UG Y1	Y1 Coursework & Other Elements	The IOM3 - Benefits of Student Membership	S. Boad, Institute of Materials	1		
UG Y1	Y1 Coursework & Other Elements	Engineering Drawing & CAD Classes	B Hughes (Eng Sci)		6	
UG Y1	Y1 Coursework & Other Elements	Looking to the Future - Career planning	Dr A. Evans (OUCaS)		1	
UG Y1	Y1 Coursework & Other Elements	Foreign Language (optional) <sup>3</sup>	OU Language Centre			
UG Y1	Y1 Coursework & Other Elements	Industrial Visits (subject to availability of places) <sup>3</sup>	Dr E. Liotti			
UG Y1	Y1 Coursework & Other Elements	MatSoc Visits & Talks <sup>3</sup>				
UG Y1	Y1 Coursework & Other Elements	Part I FHS Y2 Options Briefing	Prof T.J. Marrow, Ms P.J. Moss			1
UG Y1	Y1 Coursework & Other Elements	Practical Course Meetings	Prof D.E.J. Armstrong	1	1	1
UG Y1	Y1 Coursework & Other Elements	Workshop on (i) Writing a Full Report on a Practical and (ii) Keeping a Good Laboratory Notebook	Prof D.E.J. Armstrong	2		
UG Y1	Y1 Coursework & Other Elements	Introduction to Computing	Dr P.J. Warren	3		
UG Y1	Y1 Coursework & Other Elements	Introduction to Errors in Measurement ( 2 lectures)	Prof J.M. Smith	2		
UG Y1	Y1 Coursework & Other Elements	Industrial Placements Briefing	Prof T.J. Marrow		1	
UG Y1	Y1 Coursework & Other Elements	Summer Exchange Risk Assessment and Safety Briefing	Prof T.J. Marrow			1
UG Y1	Y1 Coursework & Other Elements	Individual Review of Summer Exchange Risk Assessments	Prof T.J. Marrow			0.25
UG Y1	Y1 Coursework & Other Elements	PC1:Practical Course (58h)	Various staff - see appendix for SDs and DSDs	22	24	12
UG Y1	Y1 Coursework & Other Elements	Computing for Materials Science (MATLAB-based)	Prof J.R. Yates	6	6	
UG Y1	Y1 Coursework & Other Elements	Crystal model building class + Crystallography Classes	Prof M.R. Castell + Dr A.A. Sheader + Dr A Mostaed	3+9	9	
UG Y1	<b>MS1: 40L; Paper Lead = PDN</b>					
UG Y1	<b>MS1: Physical Foundations of Materials</b>	The Study of Crystalline Materials by Diffraction	Prof A.A.R. Watt	8		
UG Y1	<b>MS1: Physical Foundations of Materials</b>	Electromagnetic Properties and Devices	Prof S.C. Speller + Prof R.S. Bonilla		6+6	
UG Y1	<b>MS1: Physical Foundations of Materials</b>	Random Processes and Statistical Physics	Prof R.S. Weatherup		8	
UG Y1	<b>MS1: Physical Foundations of Materials</b>	Wave Mechanics, Quantum Theory and Bonding	Prof R.J. Nicholls + Dr F. Fedele		8	4
UG Y1	<b>MS2: 40L; Paper Lead = DEJA</b>					
UG Y1	<b>MS2: Structure and Mechanical Properties of Materials</b>	Elastic Deformation	Prof A.J. Wilkinson	8		
UG Y1	<b>MS2: Structure and Mechanical Properties of Materials</b>	Structures of Crystalline and Glassy Materials	Prof M.L. Galano + Prof K.A.Q. O'Reilly	4+4	4	
UG Y1	<b>MS2: Structure and Mechanical Properties of Materials</b>	Defects in Crystals	Prof M.R. Castell		8	
UG Y1	<b>MS2: Structure and Mechanical Properties of Materials</b>	Mechanical Properties	Prof D.E.J. Armstrong			12
UG Y1	<b>MS3: 40L; Paper Lead = CRMG</b>					
UG Y1	<b>MS3: Transforming Materials</b>	Thermodynamics	Prof M.P. Moody	8		
UG Y1	<b>MS3: Transforming Materials</b>	Introduction to Nanomaterials	Prof N. Grobert	8		
UG Y1	<b>MS3: Transforming Materials</b>	Microstructure and Processing of Materials I	Prof C.R.M. Grovenor	8		
UG Y1	<b>MS3: Transforming Materials</b>	Electrochemistry	Prof. M. Pasta		8	
UG Y1	<b>MS3: Transforming Materials</b>	Microstructure and Processing of Materials II	Prof C.R.M. Grovenor			8
UG Y1	<b>MS4: 37L; Paper Lead = JRY</b>					
UG Y1	<b>MS4: Mathematics for Materials Science</b>	Ordinary & Partial Differentiation	Dr E. Liberti	7		
UG Y1	<b>MS4: Mathematics for Materials Science</b>	Vectors & Matrices (inc. vector calculus)	Prof S.C. Benjamin	11		
UG Y1	<b>MS4: Mathematics for Materials Science</b>	Taylor Series and Limits	Dr A.A. Sheader		3	A
UG Y1	<b>MS4: Mathematics for Materials Science</b>	Integration + Complex Numbers	Dr J.C.A. Prentice		5+4	J
UG Y1	<b>MS4: Mathematics for Materials Science</b>	Ordinary Differential Equations	Dr A.A. Sheader		6	A

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Year	Paper	Course Title	Lecturer(s)	MT	HT	TT
UG Y2	Y2 Coursework & Other Elements	Introduction to the Pt I Materials Programme	Prof. T.J. Marrow	1		
UG Y2	Y2 Coursework & Other Elements	Maths - Partial Differential Equations & Fourier Series + Tensors	Prof S.C. Benjamin + Dr B. Koczor	8+4		
UG Y2	Y2 Coursework & Other Elements	Entrepreneurship / Business Plan (Understanding Intellectual Property)	Enterprising Oxford	2		
UG Y2	Y2 Coursework & Other Elements	Entrepreneurship / Business Plan (Workshop on 'Teams')	Dr E. Williams	2		
UG Y2	Y2 Coursework & Other Elements	Entrepreneurship / Business Plan (Workshop on 'Finance' & 'The Business Model Canvas')	Mr S.P. Newbury	2		
UG Y2	Y2 Coursework & Other Elements	Entrepreneurship / Business Plan (Introductory Tutorial on the Business Plan Team Project)	Dr S.M. Wilkinson	3		
UG Y2	Y2 Coursework & Other Elements	Entrepreneurship / Business Plan (lecture workshops)	Dr S.M. Wilkinson		7	
UG Y2	Y2 Coursework & Other Elements	Entrepreneurship / Business Plan (tutorials)	Dr S.M. Wilkinson		4	
UG Y2	Y2 Coursework & Other Elements	Entrepreneurship / Business Plan (case study)	Mr H. Dickinson (Nortal)			2
UG Y2	Y2 Coursework & Other Elements	Presentation Skills Workshop (Business Plan Team Presentations)	Prof. H. Bhaskaran			1.5
UG Y2	Y2 Coursework & Other Elements	Business Plan Team Presentations	Prof. H. Bhaskaran & Others			4
UG Y2	Y2 Coursework & Other Elements	Introduction to Industrial Visits	Dr E. Liotti	1		
UG Y2	Y2 Coursework & Other Elements	Industrial Visits	Dr E. Liotti	4	4	4
UG Y2	Y2 Coursework & Other Elements	Industrial Talks	Johnson Matthey + Rolls Royce + Tata Steel	2	2	
UG Y2	Y2 Coursework & Other Elements	MatSoc Visits & Talks <sup>3</sup>				
UG Y2	Y2 Coursework & Other Elements	Industrial Placements Briefing	Prof T.J. Marrow		1	
UG Y2	Y2 Coursework & Other Elements	Summer Exchange Risk Assessment and Safety Briefing	Prof T.J. Marrow			1
UG Y2	Y2 Coursework & Other Elements	Individual Review of Summer Exchange Risk Assessments	Prof T.J. Marrow			0.25
UG Y2	Y2 Coursework & Other Elements	Practical Course meetings	Prof D.E.J. Armstrong	1	1	1
UG Y2	Y2 Coursework & Other Elements	Practical Course (108h)	Various staff - see appendix for SDs and DSDs	36	36	36
UG Y2	Y2 Coursework & Other Elements	Poster presentation skills workshop	tbc	2		
UG Y2	<b>GP1: 38L; Paper Lead = HEA</b>					
UG Y2	GP1: Lifecycle, Processing & Engineering of Materials	Selection & Production of Engineering Materials	Prof H.E. Assender + Prof M.L. Galano (5+5)	4		6
UG Y2	GP1: Lifecycle, Processing & Engineering of Materials	Processing for Control of Materials Properties and Performance	Prof R.C. Reed + Prof A.J. Wilkinson			11+5
UG Y2	GP1: Lifecycle, Processing & Engineering of Materials	Materials End-of-Life	Prof H.E. Assender + Prof S. Lozano-Perez		4+8	
UG Y2	<b>GP2: 40L; Paper Lead = MRC</b>					
UG Y2	GP2: Electronic Properties of Materials	Electronic Structure of Materials	Dr C.E. Patrick	12		
UG Y2	GP2: Electronic Properties of Materials	Semiconductor Materials & Devices	Dr C.S. Allen + Prof R.S. Bonilla		5+5	
UG Y2	GP2: Electronic Properties of Materials	Magnetic Properties of Materials	Dr B. Koczor + Dr C. Di Mino			10
UG Y2	GP2: Electronic Properties of Materials	Electrical & Optical Properties of Materials	Prof M.R. Castell			8
UG Y2	<b>GP3: 36L; Paper Lead = TJM</b>					
UG Y2	GP3: Mechanical Properties of Materials	Elastic Deformation of Materials	Dr J. Gibson + Dr T. Pirzada	5+2+3		
UG Y2	GP3: Mechanical Properties of Materials	Plastic Deformation of Materials	Dr E. Liotti		10	
UG Y2	GP3: Mechanical Properties of Materials	Structural Failure of Materials	Prof. R.I. Todd + Prof. T.J. Marrow		8	8
UG Y2	<b>GP4: 40L; Paper Lead = MPM</b>					
UG Y2	GP4: Structure & Thermodynamics of Materials	Statistical Mechanics & Thermal Properties of Materials	Dr A. Poletayev	8		
UG Y2	GP4: Structure & Thermodynamics of Materials	Structural & Compositional Characterisation of Materials	Prof S. Lozano-Perez + Prof M.P. Moody		8	8
UG Y2	GP4: Structure & Thermodynamics of Materials	Phase Transformations	Prof C.R.M. Grovenor	16		
UG Y2	Supplementary Subjects & Foreign Languages	History & Philosophy of Science: The Origins of Science	Prof R. Iliffe & Dr S. Allen	8	8	
UG Y2	Supplementary Subjects & Foreign Languages	Quantum Chemistry	Prof D.E. Manolopoulos, Prof S. R. Mackenzie, Prof J.E. Mc Grady & Dr W. Barford	16	16	
UG Y2	Supplementary Subjects & Foreign Languages	Foreign Language Option	OU Language Centre			

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Year	Paper	Course Title	Lecturer(s)	Student Hours per Term		
				MT	HT	TT
UG Y3	Y3 Coursework & Other Elements	Briefing for TDP (Full-time MT wks 1,2 plus presentations Fri pm MT wk3)	Prof. A.A.R. Watt	1		
UG Y3	Y3 Coursework & Other Elements	TDP workshop on Markets & Market Disruptors	Mr S.P. Newbury	1		
UG Y3	Y3 Coursework & Other Elements	TDP Presentations	FHS Examiners & others	4		
UG Y3	Y3 Coursework & Other Elements	Briefing for Characterisation/Modelling Courses	Prof M.P. Moody & Prof J.R. Yates	1		
UG Y3	Y3 Coursework & Other Elements	Introduction to Modelling in Materials Science (Taught elements full-time MT wk6; project work in parallel with OP1 lectures/classes MT wks 7,8)	Prof J.R. Yates + Prof R. Drautz + Dr E. Demir + Prof R.J. Nicholls	56?		
UG Y3	Y3 Coursework & Other Elements	Advanced Characterisation of Materials (Full-time HT wks 4,5)	Prof M.P. Moody, Prof M.L. Galano, Prof N. Grobert (includes specified lectures by CSA, EL, TJM, PDN(2), SLP, AJW, SCS & RSW).		58?	
UG Y3	Y3 Coursework & Other Elements	Atomistic Modelling (Full-time HT wks 4,5)	Dr C.E. Patrick + Prof. J.R. Yates		56?	
UG Y3	Y3 Coursework & Other Elements	Industrial Visits	Dr E. Liotti	4	4	
UG Y3	Y3 Coursework & Other Elements	MatSoc Visits & Talks <sup>3</sup>				
UG Y3	Y3 Coursework & Other Elements	Part II External Projects	Prof. J.T. Czernuszka	1		
UG Y3	Y3 Coursework & Other Elements	Part II Open Day	Prof J.T. Czernuszka + HoD		3	
UG Y3	Y3 Coursework & Other Elements	DPhil Poster Competition	Dr A.O. Taylor		2	
UG Y3	Y3 Coursework & Other Elements	Workshop on Answering Finals Exam Questions (normally TT wk 0)	Prof T.J. Marrow	2		
UG Y3	Y3 Coursework & Other Elements	Summer Exchange Risk Assessment and Safety Briefing	Prof T.J. Marrow			1
UG Y3	Y3 Coursework & Other Elements	Individual Review of Summer Exchange Risk Assessments	Prof T.J. Marrow			0.25
UG Y3	Y3 Coursework & Other Elements	Industrial Placements Briefing	Prof T.J. Marrow		1	
UG Y3	Y3 Coursework & Other Elements	Super-Collections' Feedback	Various Staff	4		
UG Y3	<b>OP1: Materials Options Lecture Courses; candidates select three from five lecture courses (each comprising 12 lectures and 3 tutorial classes). Taught mainly during MT wks 3,4,5,7,8 &amp; HT wk1</b>					
UG Y3	OP1 Materials Options 1	Materials & Devices for Optics & Optoelectronics	Dr S Olakkil Veedu + Prof. A.A.R. Watt	4+8		
UG Y3	OP1 Materials Options 1	Magnetic and Superconducting Materials	Prof. S.C. Speller + Dr M. Slota	6+6		
UG Y3	OP1 Materials Options 1	Prediction of Materials Properties	Dr C.E. Patrick	12		
UG Y3	OP1 Materials Options 1	Engineering Ceramics: Synthesis & Properties	Prof R.I. Todd	12		
UG Y3	OP1 Materials Options 1	Microstructural Control in Engineering Alloys	Prof K.A.Q. O'Reilly + Dr E. Liotti	6+6		
UG Y3	<b>OP2: Materials Options Lecture Courses; candidates select three from five lecture courses (each comprising 12 lectures and 3 tutorial classes). Taught mainly during HT wks 1,2,3,6,7,8 &amp; TT wk1</b>					
UG Y3	OP2 Materials Options 2	Materials for Nuclear Systems	Prof. T.J. Marrow + Prof. D.E.J. Armstrong + Prof. S. Lozano-Perez		4+4+4	
UG Y3	OP2 Materials Options 2	Enabling Nanotechnology - From Materials To Devices	Prof. H. Bhaskaran		12	
UG Y3	OP2 Materials Options 2	Biomaterials & Natural Materials	Prof J.T. Czernuszka		12	
UG Y3	OP2 Materials Options 2	Energy Materials	Prof. M. Pasta + Prof M.S. Islam + Prof. R.S. Weatherup		4+4+4	
UG Y3	OP2 Materials Options 2	Quantum Technology	Prof. J.M. Smith		12	
UG Y3	OP2 Materials Options 2	Advanced Polymers	Dr M. Forghani		8+4	

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UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	<b>MS Pt II Induction &amp; Project Management</b>	Prof J.T. Czernuszka & G. Litchfield (QinetiQ)	7		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	<b>Information Skills. Managing Your References</b>	R Scanlon (RSL)	2		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	<b>Workshops on Ethics &amp; Sustainability, in the context of Part II</b>	Prof L. Brimacombe & Dr S. Job (coordinated by Mr S.P. Newbury)	3	6	
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	<b>Workshop on Engineering/Scientific Context in respect of Part II Projects</b>	Prof R.C. Reed	1		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	DPhil Open Day	Dr A.O. Taylor & HoD	2		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	Part II Writing Skills, Plagiarism, Laboratory Notebooks, IPR and Patents	Prof H. E. Assender + Dr P.J. Warren		3	
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	LabVIEW Introduction (Refresher)	Prof A.A.R. Watt	3		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	Patent Literature	R Scanlon (RSL)	2		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	Presentation Skills: PowerPoint, Modern A/V Technology, PPT for Posters, Practical Tips	Dr A.O. Taylor & D. Baker (OUCS)		6	
UG Y4	<b>Y4 Coursework &amp; Other Elements</b>	DPhil Poster Competition	Dr A.O. Taylor		2	
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	<b>MS Part II talks</b>	Prof J.T. Czernuszka & others			14
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	Careers & Networking Evening with Alumni	Dr A.O. Taylor & others	2		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	Foreign Language <sup>3</sup>	OU Language Centre			
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	Industrial Visits (subject to availability of places) <sup>3</sup>	Dr E. Liotti	4	4	4
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	MatSoc Visits & Talks <sup>3</sup>				
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS)</b>	The OU Careers Service - Active Job Hunting	Dr A. Evans (OUCaS)	1		

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Year	Paper	Course Title	Lecturer(s)	Student Hours per Term		
				MT	HT	TT
PGR	Postgraduate Training (bold = compulsory)	Safety (Compulsory for new students)	DSO	1	1	1
PGR	Postgraduate Training (bold = compulsory)	Hydrofluoric Acid Safety	Mrs C. Foldbjerg Holdway	1	1	1
PGR	Postgraduate Training (bold = compulsory)	Laser Safety	University Safety Office & Dept of Physics	2	1	1
PGR	Postgraduate Training (bold = compulsory)	Gas Canister Safety Briefing	Mrs C. Foldbjerg Holdway	1	1	1
PGR	Postgraduate Training (bold = compulsory)	Induction course for Postgraduate students	Dr A.O. Taylor & others	9		
PGR	Postgraduate Training (bold = compulsory)	The IOM3 - Benefits of Student Membership	Dr S. Boad, Institute of Materials	1		
PGR	Postgraduate Training (bold = compulsory)	Dept. of Materials Mechanical Workshop - Induction & Safety	Mr L. Chorley & others	1	1 <sup>2</sup>	
PGR	Postgraduate Training (bold = compulsory)	Looking to the Future - What do Employers Seek?	tbcb (OUCaS), Dr A.O. Taylor	2		
PGR	Postgraduate Training (bold = compulsory)	Optical Microscopy	Prof P.D. Nellist	2		
PGR	Postgraduate Training (bold = compulsory)	Information Skills	R Scanlon (RSL)	2		
PGR	Postgraduate Training (bold = compulsory)	Managing your References	R Scanlon (RSL)		2	
PGR	Postgraduate Training (bold = compulsory)	Patent Literature	R Scanlon (RSL)	2		
PGR	Postgraduate Training (bold = compulsory)	X-ray Diffractometry	Prof. S.C. Speller tbcb	2		
PGR	Postgraduate Training (bold = compulsory)	Project Management	Dr P.D. Warren (NSG) & Dr A.O. Taylor	4		
PGR	Postgraduate Training (bold = compulsory)	Presentation Skills: PowerPoint, Modern A/V Technology, PowerPoint for Posters, Practical Tips	Mr D. Baker tbcb (OUCS) & Dr A.O. Taylor		6	
PGR	Postgraduate Training	Introductory Meeting (coffee & cakes) for new PGR and their Department Advisors	Dr A.O. Taylor + All Academic Staff who have a new PGR advisee	~0.5		
PGR	Postgraduate Training (bold = compulsory)	2nd Year PGR Talks - Heats and Final	Dr A.O. Taylor + All Academic Staff		~2	
PGR	Postgraduate Training (bold = compulsory)	Writing Skills, Plagiarism, Laboratory Notebooks, IPR & Patents	Prof H. E. Assender + Dr P.J. Warren		3	
PGR	Postgraduate Training (bold = compulsory)	Academic Writing (for overseas students)	Dr M. D'Angeli tbcb (OULC)		10	
PGR	Postgraduate Training (bold = compulsory)	The OU Careers Service - Active Job Hunting	Dr A. Evans (OUCaS)	1		
PGR	Postgraduate Training (bold = compulsory)	Careers & Networking Evening with Alumni	Dr A.O. Taylor & others	2		
PGR	Postgraduate Training (bold = compulsory)	Industrial Visits (subject to availability of places)	Dr E. Liotti	4	4	4
PGR	Postgraduate Training (bold = compulsory)	Industrial Talks	Johnson Matthey + Rolls Royce + Tata Steel	2	2	
PGR	Postgraduate Training (bold = compulsory)	MatSoc Visits & Talks				
PGR	Postgraduate Training (bold = compulsory)	Poster Presentation Skills & DPhil Poster Competition	Dr A.O. Taylor	1	4	
PGR	Postgraduate Training (bold = compulsory)	Foreign Language	OU Language Centre			
PGR	Postgraduate Training (bold = compulsory)	Preparing an Article for Submission to a Materials Journal	Prof R.I. Todd			1
PGR	Postgraduate Training (bold = compulsory)	Teaching Skills: Tutoring Maths Classes	Prof S.C. Benjamin	3		
PGR	Postgraduate Training (bold = compulsory)	Teaching Skills: Materials Options Classes (this workshop is run only if required)	Prof M.L. Galano		3	
PGR	Postgraduate Training (bold = compulsory)	Teaching Skills: Tutoring Materials Science	tbcb	3		
PGR	Postgraduate Training (bold = compulsory)	Teaching Skills: Junior Demonstrating	Prof D.E.J. Armstrong & D. Passmore	3		
PGR	Postgraduate Training (bold = compulsory)	Teaching Skills: Delivering a UG Lecture Course (this workshop is run only if required)	Prof. T.J. Marrow	3		
PGR	Postgraduate Training (bold = compulsory)	LabVIEW Introduction	Prof A.A.R. Watt	3		
PGR	Postgraduate Training (bold = compulsory)	Owning a successful DPhil	JCCG	2		

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PGR	Postgraduate lecture courses	Foundation Topics for Electron Microscopy	Dr N.P. Young, Dr G.M. Hughes + Dr J.E. Darnbrough	4+2+2		
PGR	Postgraduate lecture courses	Spectroscopy with the (S)TEM	Dr A. Mostaed, Prof R.J. Nicholls & Prof S. Lozano-Perez		4+2+2	
PGR	Postgraduate lecture courses	Microscopy & Analysis of Surfaces	Dr C.S. Allen	8		
PGR	Postgraduate lecture courses	Imaging & Diffraction in (S)TEM	Dr J.S. Kim + Dr N.P. Young		4+4	
PGR	Postgraduate lecture courses	Scientific Computing (Recorded lectures only)	Prof N. Trefethen (Mathematical Institute)	12	12	
PGR	Postgraduate lecture courses	Atomistic Modelling	Prof J.R. Yates + Dr C.E. Patrick	25		
PGR	Postgraduate lecture courses	Materials & Devices for Optics & Optoelectronics <sup>1</sup>	Dr S Olakkil Veedu + Prof. A.A.R. Watt	4+8		
PGR	Postgraduate lecture courses	Magnetic and Superconducting Materials <sup>1</sup>	Prof. S.C. Speller + Dr M. Slota	6+6		
PGR	Postgraduate lecture courses	Prediction of Materials Properties <sup>1</sup>	Dr C.E. Patrick	12		
PGR	Postgraduate lecture courses	Engineering Ceramics: Synthesis & Properties <sup>1</sup>	Prof R.I. Todd	12		
PGR	Postgraduate lecture courses	Microstructural Control in Engineering Alloys <sup>1</sup>	Prof K.A.Q. O'Reilly + Dr E. Liotti	6+6		
PGR	Postgraduate lecture courses	Materials for Nuclear Systems <sup>1</sup>	Prof D.E.J. Armstrong + Prof. S. Lozano-Perez + Prof. T.J. Marrow		4+4+4	
PGR	Postgraduate lecture courses	Enabling Nanotechnology - From Materials To Devices <sup>1</sup>	Prof. H. Bhaskaran		12	
PGR	Postgraduate lecture courses	Biomaterials & Natural Materials <sup>1</sup>	Prof J.T. Czernuszcza		12	
PGR	Postgraduate lecture courses	Quantum Technology <sup>1</sup>	Prof. J.M. Smith		12	
PGR	Postgraduate lecture courses	Energy Materials <sup>1</sup>	Prof. M. Pasta + Prof M.S. Islam + Prof. R.S. Weatherup		4+4+4	
PGR	Postgraduate lecture courses	Advanced Polymers <sup>1</sup>	Dr M. Forghani		12	
PGR	Research Colloquia	Materials Colloquia	Various	4	4	2
PGR	Research Colloquia	MML Seminars	Various	8	8	8
PGR	Research Colloquia	Begbroke Science Forum	Various	?	?	?
PGR	Research Colloquia	QIP Seminars	Various	4	4	4

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	<b>APPENDIX 1 - PRACTICAL COURSES</b>					
	<b>PRACTICAL</b>	<b>SD</b>	<b>DSD</b>			
UG Y1	1P1a: Introduction to IT Tools	PJW	T Ansari	3		
UG Y1	1P1b: Introduction to Optical Microscopy. Ac Lead: KAQOR	KAQOR	SLP	3		
UG Y1	1P2: Introduction to LabVIEW. Ac Lead: AARW	AARW	RSB	6		
UG Y1	1P3: Young's Modulus & Stress Analysis. Ac Lead: TJM/PDN (Acta-style write-up, formative only)	TJM	AJW	6.75		
UG Y1	1P4: Metallography. Ac Lead: AJW	AJW	MPM	6		
UG Y1	1P5: Polymers - Molecular Weight Effects. Ac Lead: NG (Acta-style write-up, summative)	NG	JMS		6	
UG Y1	1P6: Thermal Analysis. Ac Lead: EL	EL	KAQOR		6	
UG Y1	1P7: Bubble Raft. Ac Lead: JMS (Acta-style write-up, summative)	JMS	SCB		6	
UG Y1	1P8: Electrode Potentials. Ac Lead: MP	Y Sun	MP		6	
UG Y1	1P9: Energy Levels & Band Gaps. Ac Lead: AARW (Acta-style write-up, summative)	AARW	HB			6
UG Y1	1P10: Fabrication & Tensile Testing. Ac Lead: JTC	JTC	RSW			6
UG Y2	2P1: Materials Selection. Ac Lead: DEJA (Peer-reviewed Poster 'write-up', formative only)	DEJA	SCS	10		
UG Y2	2P2: Steels. Ac Lead: TJM (Acta-style write-up, summative)	TJM	MPM	9		
UG Y2	2P3: Extrusion. Ac Lead: MLG	M. Danaie	MLG	9		
UG Y2	2P4: Casting. Ac Lead: KAQOR (Acta-style write-up, summative)	KAQOR	MLG	9		
UG Y2	2P5: Mechanical Properties of Polymers. Ac Lead: HB	HB	AARW		9	
UG Y2	2P6: Dislocations & Plasticity. Ac Lead: MRC	MRC	JTC		9	
UG Y2	2P7: Corrosion. Ac Lead: SLP	SLP	MP		9	
UG Y2	2P8: Diffusion. Ac Lead: TJM	TJM	CRMG		9	
UG Y2	2P9: X-ray Diffraction Detective. Ac Lead: AIK (Acta-style write-up, summative)	AIK	RSW			9
UG Y2	2P10: SEM & Fracture. Ac Lead: RIT	RIT	DEJA			9
UG Y2	2P11: TEM. Ac Lead: PDN (non-assessed training exercise)	NPY	TJM			9
UG Y2	2P12: Semiconductor Devices. Ac Lead: RSB	RSB	AARW			9

General Scheme 2023/24 (03.10.2023)				Grey shading = to be confirmed		
Year	Paper	Course Title	Lecturer(s)	Student Hours per Term		
				MT	HT	TT
	<b>APPENDIX 2: LEAD ROLES IN TEACHING 2022/23</b>					
	<b>ROLE</b>	<b>STAFF MEMBER</b>				
	Chair of Faculty	SCS				
	Chair of DMAC	TJM				
	Chair of Tutors' Committee	RSW				
	DUGS (Head of UG Teaching)	TJM				
	DGS	AOT				
	Chair of MGSC (Materials Grad Studies Cttee)	AOT				
	Chair of Prelims Moderators	TJM				
	Chair (Deputy Chair) of FHS Examiners	SLP (RIT)				
	UG Admissions Coordinator	AOT				
	Practical Courses Organiser	DEJA				
	Part II Organiser	JTC				
	Industrial Visits Organiser	EL				
	Supplementary Subjects & Foreign Language Options Organiser	PJM				
	Summer Exchanges & Placements Organiser	TJM				
	Industrial Tour Organiser	AOT				
	Computing & Modelling Organiser	MSI				
	MS1 Lead and Crystallography Organiser	MRC				
	MS2 Lead	DEJA				
	MS3 Lead	CRMG				
	MS4 Lead and Maths Class Organiser	SCB				
	GP1 Lead	HEA				
	GP2 Lead	MRC				
	GP3 Lead	TJM				
	GP4 Lead	MPM				
	Entrepreneurship Society Organiser	HB				
	Team Design Projects Organiser	AARW				
	Characterisation Module Organiser	MPM				
	Introduction to Modelling Module Organiser	JRY				
	Atomistic Modelling Module Organiser	CEP				
	EM Training Organiser (Part II & PGR)	NPY				
	MSc in Energy PGT programme - Materials Lead	AARW				
	Fusion CDT - Oxford Materials Coordinator	DEJA				