

General Scheme 2021/22 (06-10-21)				Grey shading = to be confirmed		
Year	Paper	Course Title	Lecturer(s)	Student Hours per Term		
				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 + Prof P.D. Nellist	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	P. Bailey (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) ³	OU Language Centre			
UG Y1	Y1 Coursework & Other Elements	Industrial Visits (subject to availability of places) ³	Dr E. Liotti			
UG Y1	Y1 Coursework & Other Elements	MatSoc Visits & Talks ³				
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 S. Lozano-Perez	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 S. Lozano-Perez	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. A.A.R. Watt		1	
UG Y1	Y1 Coursework & Other Elements	Summer Exchange Risk Assessment and Safety Briefing	Prof. A.A.R. Watt			1
UG Y1	Y1 Coursework & Other Elements	Individual Review of Summer Exchange Risk Assessments	Prof. A.A.R. Watt			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	JCCU 1st Year 2-way feedback	Y1 JCCU Representatives	1	1	1
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 E. Dambrough + tbc	3+9	9	
UG Y1	MS1: 40L; Paper Lead = PDN					
UG Y1	MS1: Physical Foundations of Materials	The Study of Crystalline Materials by Diffraction	Prof A.I. Kirkland	8		
UG Y1	MS1: Physical Foundations of Materials	Electromagnetic Properties and Devices	Prof S.C. Speller		12	
UG Y1	MS1: Physical Foundations of Materials	Random Processes and Statistical Physics	Prof R.S. Weatherup		8	
UG Y1	MS1: Physical Foundations of Materials	Wave Mechanics, Quantum Theory and Bonding	Dr R.J. Nicholls + Prof P.D. Nellist		8	4
UG Y1	MS2: 40L; Paper Lead = DEJA					
UG Y1	MS2: Structure and Mechanical Properties of Materials	Elastic Deformation	Prof A.J. Wilkinson	8		
UG Y1	MS2: Structure and Mechanical Properties of Materials	Structures of Crystalline and Glassy Materials	Prof M.L. Galano + Prof K.A.Q. O'Reilly	8	4	
UG Y1	MS2: Structure and Mechanical Properties of Materials	Defects in Crystals	Prof M.R. Castell		8	
UG Y1	MS2: Structure and Mechanical Properties of Materials	Mechanical Properties	Prof D.E.J. Armstrong			12
UG Y1	MS3: 40L; Paper Lead = CRMG					
UG Y1	MS3: Transforming Materials	Thermodynamics	Prof M.P. Moody	8		
UG Y1	MS3: Transforming Materials	Introduction to Nanomaterials	Prof N. Grobert	8		8
UG Y1	MS3: Transforming Materials	Microstructure and Processing of Materials I	Prof C.R.M. Grovenor	8		
UG Y1	MS3: Transforming Materials	Electrochemistry	Prof M. Pasta		8	
UG Y1	MS3: Transforming Materials	Microstructure and Processing of Materials II	Prof C.R.M. Grovenor			8
UG Y1	MS4: 37L; Paper Lead = JRY					
UG Y1	MS4: Mathematics for Materials Science	Ordinary & Partial Differentiation	Dr E. Liberti	7		
UG Y1	MS4: Mathematics for Materials Science	Vectors & Matrices (inc. vector calculus)	Prof S.C. Benjamin	11		
UG Y1	MS4: Mathematics for Materials Science	Taylor Series and Limits	tbc		3	
UG Y1	MS4: Mathematics for Materials Science	Integration + Complex Numbers	tbc		5+4	
UG Y1	MS4: Mathematics for Materials Science	Ordinary Differential Equations	tbc		6	

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Year	Paper	Course Title	Lecturer(s)	Student Hours per Term		
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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 (Williams)	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 (workshops)	Dr S.M. Wilkinson		4	
UG Y2	Y2 Coursework & Other Elements	Entrepreneurship / Business Plan (tutorials)	Dr S.M. Wilkinson		6	
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	Mr S.P. Newbury (Williams), Mr H. Dickinson (Nortal) & Prof. H. Bhaskaran			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 ³				
UG Y2	Y2 Coursework & Other Elements	Industrial Placements Briefing	Prof. A.A.R. Watt		1	
UG Y2	Y2 Coursework & Other Elements	Summer Exchange Risk Assessment and Safety Briefing	Prof. A.A.R. Watt			1
UG Y2	Y2 Coursework & Other Elements	Individual Review of Summer Exchange Risk Assessments	Prof. A.A.R. Watt			0.25
UG Y2	Y2 Coursework & Other Elements	Practical Course meetings	Prof S. Lozano-Perez	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 & D. Baker (OUCS)	2		
UG Y2	Y2 Coursework & Other Elements	JCCU 2nd Year 2-way feedback	Y2 JCCU Representatives	1	1	1
UG Y2	GP1: 38L; Paper Lead = HEA					
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	Dr Y. Tang & Prof A.J. Wilkinson			8+8
UG Y2	GP1: Lifecycle, Processing & Engineering of Materials	Materials End-of-Life	Prof H.E. Assender & Prof S. Lozano-Perez		1+8+3	
UG Y2	GP2: 40L; Paper Lead = MRC					
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	tbc & Dr R.S. Bonilla		5+5	
UG Y2	GP2: Electronic Properties of Materials	Magnetic Properties of Materials	Prof J.R. Yates			10
UG Y2	GP2: Electronic Properties of Materials	Electrical & Optical Properties of Materials	Prof M.R. Castell			8
UG Y2	GP3: 36L; Paper Lead = TJM					
UG Y2	GP3: Mechanical Properties of Materials	Elastic Deformation of Materials	Prof P.D. Nellist & Prof J.T. Czernuszka	5+2+3		
UG Y2	GP3: Mechanical Properties of Materials	Plastic Deformation of Materials	Prof E. Tarleton & Prof T.J. Marrow		6+4	
UG Y2	GP3: Mechanical Properties of Materials	Structural Failure of Materials	Prof R.I. Todd & Prof R.C. Reed		8	8
UG Y2	GP4: 40L; Paper Lead = MPM					
UG Y2	GP4: Structure & Thermodynamics of Materials	Statistical Mechanics & Thermal Properties of Materials	Prof J.M. Smith	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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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 (Williams)	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 + Prof. E. Tarleton	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, PDN(2), AJW, SCS & SLP).		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 ³				
UG Y3	Y3 Coursework & Other Elements	Part II External Projects	Prof K.A.Q. O'Reilly	1		
UG Y3	Y3 Coursework & Other Elements	Part II Open Day	Prof K.A.Q. O'Reilly & Prof P.D. Nellist		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. A.A.R. Watt			1
UG Y3	Y3 Coursework & Other Elements	Individual Review of Summer Exchange Risk Assessments	Prof. A.A.R. Watt			0.25
UG Y3	Y3 Coursework & Other Elements	Industrial Placements Briefing	Prof. A.A.R. Watt		1	
UG Y3	Y3 Coursework & Other Elements	Super-Collections' Feedback	Various Staff	4		
UG Y3	Y3 Coursework & Other Elements	JCCU 3rd Year 2-way feedback	Y3 JCCU Representatives	1	1	
UG Y3	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 & HT wk1					
UG Y3	OP1 Materials Options 1	Materials & Devices for Optics & Optoelectronics	Prof J.M. Smith	12		
UG Y3	OP1 Materials Options 1	Magnetic and Superconducting Materials	Prof. L. Bogani + Prof. S.C. Speller	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	Advanced Manufacture with Metals & Alloys	Prof K.A.Q. O'Reilly + Dr E. Liotti	6+6		
UG Y3	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 & TT wk1					
UG Y3	OP2 Materials Options 2	Materials for Nuclear Systems	Prof D.E.J. Armstrong + Prof. S. Lozano-Perez + Prof. T.J. Marrow		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. Czemuszka		12	
UG Y3	OP2 Materials Options 2	Advanced Polymers	Prof H.E. Assender + Dr M. Leferts		8+4	

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Year	Paper	Course Title	Lecturer(s)	Student Hours per Term		
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UG Y4	Y4 Other Elements (bold = compulsory for MS)	MS Pt II Induction & Project Management	Prof K.A.Q. O'Reilly & G. Litchfield (QinetIQ)	7		
UG Y4	Y4 Other Elements (bold = compulsory for MS)	Information Skills. Managing Your References	C Dockerty (RSL)	2		
UG Y4	Y4 Other Elements (bold = compulsory for MS)	Workshops on Ethics & Sustainability, in the context of Part II	Prof L. Brimacombe & Dr S. Job (coordinated by Mr S.P. Newbury)	3	6	
UG Y4	Y4 Other Elements (bold = compulsory for MS)	Workshop on Engineering/Scientific Context in respect of Part II Projects	Prof R.C. Reed	1		
UG Y4	Y4 Other Elements (bold = compulsory for MS)	DPhil Open Day	Dr A.O. Taylor & Prof H.E. Assender	2		
UG Y4	Y4 Other Elements (bold = compulsory for MS)	Part II Writing Skills, Plagiarism, Laboratory Notebooks, IPR and Patents	Prof H. E. Assender & Dr P.J. Warren		3	
UG Y4	Y4 Other Elements (bold = compulsory for MS)	LabVIEW Introduction (Refresher)	Prof A.A.R. Watt & tbc	3		
UG Y4	Y4 Other Elements (bold = compulsory for MS)	Patent Literature	C Dockerty (RSL)	2		
UG Y4	Y4 Other Elements (bold = compulsory for MS)	Presentation Skills: PowerPoint, Modern A/V Technology, PPT for Posters, Practical Tips	Dr A.O. Taylor & D. Baker (OUCS)		6	
UG Y4	Y4 Coursework & Other Elements	DPhil Poster Competition	Dr A.O. Taylor		2	
UG Y4	Y4 Other Elements (bold = compulsory for MS)	MS Part II talks	Prof K.A.Q. O'Reilly & others			14
UG Y4	Y4 Other Elements (bold = compulsory for MS)	Careers & Networking Evening with Alumni	Dr A.O. Taylor & others	2		
UG Y4	Y4 Other Elements (bold = compulsory for MS)	Foreign Language ³	OU Language Centre			
UG Y4	Y4 Other Elements (bold = compulsory for MS)	Industrial Visits (subject to availability of places) ³	Dr E. Liotti	4	4	4
UG Y4	Y4 Other Elements (bold = compulsory for MS)	MatSoc Visits & Talks ³				
UG Y4	Y4 Other Elements (bold = compulsory for MS)	The OU Careers Service - Active Job Hunting	Dr A. Evans (OUCaS)	1		
UG Y4	Y4 Coursework & Other Elements	JCCU 4th Year 2-way feedback	Y4 JCCU Representatives	1	1	

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Year	Paper	Course Title	Lecturer(s)	Student Hours per Term		
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PGR	Postgraduate Training (bold = compulsory)	Safety (Compulsory for new students)	I. Bishop (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	S. Boad, Institute of Materials	1		
PGR	Postgraduate Training (bold = compulsory)	Dept. of Materials Mechanical Workshop - Induction & Safety	L. Chorley & others	1	1 ²	
PGR	Postgraduate Training (bold = compulsory)	Looking to the Future - What do Employers Seek?	H. Nicholson-Lailey tbc (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	C Dockerty (RSL)	2		
PGR	Postgraduate Training (bold = compulsory)	Managing your References	C Dockerty (RSL)		2	
PGR	Postgraduate Training (bold = compulsory)	Patent Literature	C Dockerty (RSL)	2		
PGR	Postgraduate Training (bold = compulsory)	X-ray Diffractometry	Prof. S.C. Speller	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	D. Baker (OUCS) & Dr A.O. Taylor		6	
PGR	Postgraduate Training (bold = compulsory)	Postponed HT 2021 2nd Year PGR Talks - Heats and Final	Dr A.O. Taylor & Dr J.L. Hutchison + All Academic Staff	-2		
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 tbc (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 tbc	Prof R.I. Todd			1
PGR	Postgraduate Training (bold = compulsory)	Teaching Skills: Tutoring Maths Classes	Prof J.R. Yates	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	Prof S.C. Speller	3		
PGR	Postgraduate Training (bold = compulsory)	Teaching Skills: Junior Demonstrating	Prof S. Lozano-Perez & 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)	Introduction to MatLab	tbc	3		
PGR	Postgraduate Training (bold = compulsory)	LabVIEW Introduction	Prof A.A.R. Watt & tbc	3		
PGR	Postgraduate Training (bold = compulsory)	Owning a successful DPhil	JCCG	2		
PGR	Postgraduate lecture courses	Foundation Topics for Electron Microscopy	Dr N.P. Young, Dr G.M. Hughes + Prof P.D. Nellist	4+2+2		
PGR	Postgraduate lecture courses	Spectroscopy with the (S)TEM	Dr A. Mostaed, Dr R.J. Nicholls & Prof S. Lozano-Perez		5+2+1	
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	Early Metallurgy tbc	Dr C.J. Salter		8	
PGR	Postgraduate lecture courses	Materials & Devices for Optics & Optoelectronics ¹	Prof J.M. Smith	12		
PGR	Postgraduate lecture courses	Magnetic and Superconducting Materials ¹	Prof. L. Bogani + Prof. S.C. Speller	6+6		
PGR	Postgraduate lecture courses	Prediction of Materials Properties ¹	Dr C.E. Patrick	12		
PGR	Postgraduate lecture courses	Engineering Ceramics: Synthesis & Properties ¹	Prof R.I. Todd	12		
PGR	Postgraduate lecture courses	Advanced Manufacture with Metals & Alloys ¹	Prof K.A.Q. O'Reilly + Dr E. Liotti	6+6		
PGR	Postgraduate lecture courses	Materials for Nuclear Systems ¹	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 ¹	Prof. H. Bhaskaran		12	
PGR	Postgraduate lecture courses	Biomaterials & Natural Materials ¹	Prof J.T. Czemuska		12	
PGR	Postgraduate lecture courses	Advanced Polymers ¹	Prof H. E. Assender + Dr M. Lefferts		8+4	
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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APPENDIX 1 - PRACTICAL COURSES						
	PRACTICAL	SD	DSD			
UG Y1	1P1a: Introduction to IT Tools	PJW	Rob Saunders	3		
UG Y1	1P1b: Introduction to Optical Microscopy. Ac Lead: KAQOR	KAQOR	SLP	3		
UG Y1	1P2: Introduction to MATLAB and 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 / PDN	n/a	6.75		
UG Y1	1P4: Metallography. Ac Lead: AJW	tbc	AJW	6		
UG Y1	1P5: Polymers - Molecular Weight Effects. Ac Lead: NG (Acta-style write-up, summative)	NG	HEA		6	
UG Y1	1P6: Thermal Analysis	E. Liotti	KAQOR		6	
UG Y1	1P7: Bubble Raft	SCB	MRC		6	
UG Y1	1P8: Electrode Potentials. Ac Lead: MP (Acta-style write-up, summative)	S. Narayanan	MP		6	
UG Y1	1P9: Energy Levels & Band Gaps. Ac Lead: AARW	AARW	HB			6
UG Y1	1P10: Fabrication & Tensile Testing	JTC	TJM			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	C.J. Salter	MPM	9		
UG Y2	2P3: Extrusion. Ac Lead: MLG (Acta-style write-up, summative)	M. Danaie	MLG	9		
UG Y2	2P4: Casting. Ac Lead: KAQOR	KAQOR	MLG	9		
UG Y2	2P5: Diffusion. Ac Lead: TJM (Acta-style write-up, summative)	TJM	CRMG		9	
UG Y2	2P6: Dislocations & Plasticity. Ac Lead: MRC (Acta-style write-up, summative)	MRC	JTC		9	
UG Y2	2P7: Corrosion. Ac Lead: PGB	J. Haley	tbc		9	
UG Y2	2P8: Mechanical Properties of Polymers. Ac Lead: HEA	HEA	AARW		9	
UG Y2	2P9: X-ray Diffraction Detective. Ac Lead: SCS	SCS	RSW			9
UG Y2	2P10: SEM & Fracture. Ac Lead: tbc	tbc	tbc			9
UG Y2	2P11: TEM. Ac Lead: PDN (non-assessed training exercise)	tbc & J. Haley	PDN			9
UG Y2	2P12: Semiconductor Devices. Ac Lead: RSB	RSB	AARW			9

