

General Scheme 2016/17 (7-9-16)		KEY: Grey font = will not run this year			Student Hours per Term		
Year	Paper	Course Title	Lecturer(s)	MT	HT	TT	
UG Y1	Y1 Coursework & Other Elements	Induction & Tour of the Department	Prof P.S. Grant, Dr A.O. Taylor, Ms P.J. Moss & others	3			
UG Y1	Y1 Coursework & Other Elements	Introduction to the Prelims Programme	Prof C.R.M. Grovenor	1			
UG Y1	Y1 Coursework & Other Elements	Teaching, Study Skills & Learning Development	Dr A.O. Taylor + 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	<sup>5</sup> Foreign Language	OU Language Centre				
UG Y1	Y1 Coursework & Other Elements	<sup>5</sup> Industrial Visits (subject to availability of places)	Dr L.B. Jones				
UG Y1	Y1 Coursework & Other Elements	<sup>5</sup> MatSoc Visits & Talks					
UG Y1	Y1 Coursework & Other Elements	Part I Options Briefing	Dr A.O. Taylor, Ms P.J. Moss			1	
UG Y1	Y1 Coursework & Other Elements	Practical Class Meetings	Prof K.A.Q. O'Reilly	1	1	1	
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 + 1 class)	Prof J.M. Smith	2	1		
UG Y1	Y1 Coursework & Other Elements	Industrial Placements Briefing	Dr A.O. Taylor		1		
UG Y1	Y1 Coursework & Other Elements	Practical Classes (64h)	Various staff	23.25	27	13.5	
UG Y1	Y1 Coursework & Other Elements	Practical Classes - Report submission	Ms P.J. Moss	1	1	1	
UG Y1	Y1 Coursework & Other Elements	JCCU 1st Year 2-way feedback	Y1 JCCU Representatives	1	1	1	
UG Y1	MS1: Structure of Materials	Introduction	Prof A.I. Kirkland	2			
UG Y1	MS1: Structure of Materials	Crystallography & Diffraction	Prof A.I. Kirkland	7	7		
UG Y1	MS1: Structure of Materials	Crystallography Classes	Dr D.V. Isakov & Dr A. Trichet	18	18		
UG Y1	MS1: Structure of Materials	Metals & Alloys	Dr C. Nörenberg			4	
UG Y1	MS1: Structure of Materials	Ceramics & Semiconductors	Dr C. Nörenberg			4	
UG Y1	MS1: Structure of Materials	Defects in Crystals	Prof M.R. Castell		6		
UG Y1	MS1: Structure of Materials	Polymers & Composites	Dr B.J. Gabrys			4	
UG Y1	MS1: Structure of Materials	Elementary Quantum Theory & Bonding	Dr P. Dallas			6	
UG Y1	MS2: Properties of Materials	Introduction	Prof A.J. Wilkinson	1			
UG Y1	MS2: Properties of Materials	Elasticity & Structures	Prof A.J. Wilkinson	8			
UG Y1	MS2: Properties of Materials	Electrical & Magnetic Properties	Prof S.C. Speller		8		
UG Y1	MS2: Properties of Materials	Mechanical Properties	Dr D.M. Collins + Prof A.J. Wilkinson		6+4		
UG Y1	MS2: Properties of Materials	Classes in Mechanical Properties	Dr D.M. Collins + Prof A.J. Wilkinson		3		
UG Y1	MS2: Properties of Materials	Kinetic Theory of Gases	Prof J.H. Warner			4	
UG Y1	MS3: Transforming Materials	Introduction to Processing	Prof K.A.Q. O'Reilly	4			
UG Y1	MS3: Transforming Materials	Thermodynamics	Prof M.P. Moody	10			
UG Y1	MS3: Transforming Materials	Kinetics	Dr D. Haley	4			
UG Y1	MS3: Transforming Materials	Electrochemistry	Prof A.A.R. Watt			4	
UG Y1	MS3: Transforming Materials	Polymer Synthesis	Dr. A. Huang		4		
UG Y1	MS3: Transforming Materials	Microstructure of Materials	Prof K.A.Q. O'Reilly		12		
UG Y1	Mathematics for Materials Sciences	Vectors, Matrices & Determinants	Prof S.C. Benjamin	11			
UG Y1	Mathematics for Materials Sciences	Ordinary & Partial Differentiation	Dr J. Barnes	7			
UG Y1	Mathematics for Materials Sciences	Indefinite & Definite Integrals	Dr J. Mol + Dr N. Ares		4		
UG Y1	Mathematics for Materials Sciences	Taylor & MacLaurin Series			2		
UG Y1	Mathematics for Materials Sciences	Complex Numbers			4		
UG Y1	Mathematics for Materials Sciences	Ordinary Differential Equations			6		
UG Y1	Mathematics for Materials Sciences	Revision Lectures	Prof S.C. Benjamin + Dr J. Mol + Dr N. Ares			4+4	

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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 C.R.M. Grovenor	1			
UG Y2	Y2 Coursework & Other Elements	Maths - Partial Diff'l Eqns & Fourier Series	Prof S.C. Benjamin	8			
UG Y2	Y2 Coursework & Other Elements	<sup>1</sup> Entrepreneurship / Business Plan (Building a Business) [The Business Model Canvas ..... + ....How Can I Protect My Ideas.....]	SBS & OxCEI	2			
UG Y2	Y2 Coursework & Other Elements	<sup>1</sup> Entrepreneurship / Business Plan (workshop on 'Teams')	Dr E. Williams	2			
UG Y2	Y2 Coursework & Other Elements	<sup>1</sup> Entrepreneurship / Business Plan (workshops)	Dr S.M. Wilkinson		4		
UG Y2	Y2 Coursework & Other Elements	<sup>1</sup> Entrepreneurship / Business Plan (tutorials)	Dr S.M. Wilkinson	3	6		
UG Y2	Y2 Coursework & Other Elements	<sup>1</sup> Entrepreneurship / Business Plan (case study)	Mr H. Dickinson (Nortal)		2		
UG Y2	Y2 Coursework & Other Elements	Workshop on Business Plan team presentation	Dr A.O. Taylor			1	
UG Y2	Y2 Coursework & Other Elements	Business Plan Team Presentations	Dr S.M. Wilkinson, Mr H. Dickinson (Nortal) & Dr A.O. Taylor			4	
UG Y2	Y2 Coursework & Other Elements	Communicating through public presentations	Prof S. Biller (tbc)		1		
UG Y2	Y2 Coursework & Other Elements	Introduction to Industrial Visits	Dr L.B. Jones	1			
UG Y2	Y2 Coursework & Other Elements	Industrial Visits	Dr L.B. Jones	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	<sup>5</sup> MatSoc Visits & Talks					
UG Y2	Y2 Coursework & Other Elements	Industrial Placements Briefing	Dr A.O. Taylor		1		
UG Y2	Y2 Coursework & Other Elements	Practical class meetings	Prof K.A.Q. O'Reilly	1	1	1	
UG Y2	Y2 Coursework & Other Elements	Practical Classes (117h)	Various staff	39	39	39	
UG Y2	Y2 Coursework & Other Elements	Practical Classes - Report submission	Ms P. Moss	1	1	1	
UG Y2	Y2 Coursework & Other Elements	Poster presentation skills workshop	Dr A.O. Taylor & 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 Structure & Transformation	Surfaces & Interfaces	Prof M.R. Castell	4			
UG Y2	GP1 Structure & Transformation	Phase Transformations & Diffusion	Prof C.R.M. Grovenor + Dr K. Borisenko + Prof C.R.M. Grovenor	1+5+10			
UG Y2	GP1 Structure & Transformation	Corrosion & Protection	Prof S. Lozano-Perez		8		
UG Y2	GP1 Structure & Transformation	Ternary Phase Diagrams	Prof C.R.M. Grovenor			4	
UG Y2	GP1 Structure & Transformation	Microstructures of Polymers	Dr B.J. Gabrys		4		
UG Y2	GP1 Structure & Transformation	Powder Processing	Prof P.S. Grant			4	
UG Y2	GP2 Electronic Properties of Materials	Tensor Properties of Materials	Prof G.A.D. Briggs			4	
UG Y2	GP2 Electronic Properties of Materials	Quantum & Statistical Mechanics	Prof J.M. Smith	12			
UG Y2	GP2 Electronic Properties of Materials	Electronic Structure of Materials	Prof F. Giustino		8		
UG Y2	GP2 Electronic Properties of Materials	Semiconductor Materials	Prof P.R. Wilshaw		6		
UG Y2	GP2 Electronic Properties of Materials	Magnetic Properties	Dr M.T.F. Telling			4	
UG Y2	GP2 Electronic Properties of Materials	Electrical & Optical Properties	Prof P.R. Wilshaw			8	
UG Y2	GP3 Mechanical Properties	Elastic Behaviour in Isotropic Materials	Prof P.D. Nellist	4			
UG Y2	GP3 Mechanical Properties	Microplasticity	Dr E.K.R. Tarleton + Prof T.J. Marrow	6+4			
UG Y2	GP3 Mechanical Properties	Creep	Prof R.I. Todd		4		
UG Y2	GP3 Mechanical Properties	Macroplasticity & Mechanical Working Processes	Prof. M.L. Galano			8	
UG Y2	GP3 Mechanical Properties	Fracture	Prof R.I. Todd		8		
UG Y2	GP3 Mechanical Properties	Mechanical Properties of Polymers	Prof H.E. Assender		4		
UG Y2	GP3 Mechanical Properties	Mechanical Properties of Composites	Prof J.T. Czernuszka			4	
UG Y2	GP4 Engineering Applications of Materials	Microstructural Characterisation of Materials	Prof P.D. Nellist	8			
UG Y2	GP4 Engineering Applications of Materials	Semiconductor Devices	Prof P.R. Wilshaw		6		
UG Y2	GP4 Engineering Applications of Materials	Engineering Alloys	Prof. R. C. Reed			14	
UG Y2	GP4 Engineering Applications of Materials	Ceramics & Glasses	Prof J.T. Czernuszka			8	
UG Y2	GP4 Engineering Applications of Materials	Engineering Applications of Polymers	Prof H.E. Assender			4	
UG Y2	Supplementary Subjects & Foreign Languages	<sup>1</sup> History & Philosophy of Science: The Origins of Science	tbc	8	8		
UG Y2	Supplementary Subjects & Foreign Languages	<sup>1</sup> Quantum Chemistry	Prof D.E. Manolopoulos & Dr S.R. Mackenzie	16	16		
UG Y2	Supplementary Subjects & Foreign Languages	<sup>1</sup> Foreign Language Option	OU Language Centre				

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Year	Paper	Course Title	Lecturer(s)	MT	HT	TT
UG Y3	Y3 Coursework & Other Elements	Briefing for TDP	Dr A.O. Taylor	1		
UG Y3	Y3 Coursework & Other Elements	TDP Presentations	Dr A.O. Taylor & others	4		
UG Y3	Y3 Coursework & Other Elements	<sup>1</sup> Briefing for Characterisation/Modelling Courses	Prof M.R. Castell & Prof J.R. Yates	1		
UG Y3	Y3 Coursework & Other Elements	<sup>1</sup> Advanced Characterisation of Materials	Prof M.R. Castell, Prof M.L. Galano, Prof M.P. Moody (includes specified lectures by MRC, MLG, PDN(2), tbc, JMT, KP, SCS & SLP).		59	
UG Y3	Y3 Coursework & Other Elements	<sup>1</sup> Introduction to Modelling in Materials Science	Prof J.R. Yates + Prof R. Drautz		56	
UG Y3	Y3 Coursework & Other Elements	<sup>2</sup> Microeconomics	Economics Faculty	24		
UG Y3	Y3 Coursework & Other Elements	Industrial Visits	Dr L.B. Jones	4	4	
UG Y3	Y3 Coursework & Other Elements	<sup>5</sup> MatSoc Visits & Talks				
UG Y3	Y3 Coursework & Other Elements	<sup>1</sup> Part II External Projects	Prof K.A.Q. O'Reilly	1		
UG Y3	Y3 Coursework & Other Elements	<sup>1</sup> Part II Open Day	Prof K.A.Q. O'Reilly & Prof P.S. Grant		3	
UG Y3	Y3 Coursework & Other Elements	DPhil Poster Competition	Dr A.O. Taylor		2	
UG Y3	Y3 Coursework & Other Elements	<sup>2</sup> Management Induction (inc library)	SBS Staff	2		
UG Y3	Y3 Coursework & Other Elements	<sup>2</sup> General Management	SBS Staff	16	16	
UG Y3	Y3 Coursework & Other Elements	<sup>2</sup> Introductory Workshops for Pt II Management Project	Prof A. Nicholson & other SBS Staff	5	2	6
UG Y3	Y3 Coursework & Other Elements	Economics & Management Pt II Options	Economics Faculty & SBS Staff			2
UG Y3	Y3 Coursework & Other Elements	Workshop on Answering GP3 Exam Questions	Prof T.J. Marrow		1	
UG Y3	Y3 Coursework & Other Elements	Workshop on Answering Finals Exam Questions	Prof P.D. Nellist			2
UG Y3	Y3 Coursework & Other Elements	Industrial Placements Briefing	Dr A.O. Taylor		1	
UG Y3	Y3 Coursework & Other Elements	<sup>2</sup> Practical class meetings	Prof K.A.Q. O'Reilly	1		
UG Y3	Y3 Coursework & Other Elements	<sup>2</sup> Practical Classes MEM (39h)	Various staff	19.5	19.5	
UG Y3	Y3 Coursework & Other Elements	<sup>2</sup> Practical Classes MEM - Report submission	Ms P. Moss	1	1	
UG Y3	Y3 Coursework & Other Elements	JCCU 3rd Year 2-way feedback	Y3 JCCU Representatives	1	1	
UG Y3	OP1 Materials Options 1	<sup>1</sup> Materials & Devices for Optics & Optoelectronics	Prof J.M. Smith	12		
UG Y3	OP1 Materials Options 1	<sup>1</sup> Strength & Failure of Materials	Prof A.J. Wilkinson + Dr E Liberti	6+6		
UG Y3	OP1 Materials Options 1	<sup>1</sup> Nanomaterials	Prof N. Grobert + Dr K. Porfyrakis + Prof H. Bhaskaran	4+4+4		
UG Y3	OP1 Materials Options 1	<sup>1</sup> Prediction of Materials Properties	Prof F. Giustino	12		
UG Y3	OP1 Materials Options 1	<sup>1</sup> Engineering Ceramics: Synthesis & Properties	Prof R.I. Todd	12		
UG Y3	OP2 Materials Options 2	<sup>1</sup> Advanced Engineering Alloys & Composites	Prof M.L. Galano + Dr D.E.J. Armstrong		7+5	
UG Y3	OP2 Materials Options 2	<sup>1</sup> Advanced Manufacture with Metals & Alloys: Processing, Joining & Shaping	Prof P.S. Grant + Prof K.A.Q. O'Reilly		6+6	
UG Y3	OP2 Materials Options 2	<sup>1</sup> Devices	Prof S.C. Speller + Prof C.R.M. Grovenor + Prof P.R. Wilshaw		4+4+4	
UG Y3	OP2 Materials Options 2	<sup>1</sup> Biomaterials & Natural Materials	Prof J.T. Czernuszka		12	
UG Y3	OP2 Materials Options 2	<sup>1</sup> Advanced Polymers	Prof H.E. Assender + Dr M.T.F. Telling		8+4	
UG Y3	OP2 Materials Options 2	<sup>1</sup> Materials for Energy Production, Distribution & Storage	Prof T.J. Marrow + Dr K. Porfyrakis		6+6	

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UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	<sup>1</sup> MS Pt II Induction & Project Management	Prof K.A.Q. O'Reilly & G. Litchfield (QinetiQ)	7		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	<sup>1</sup> Information Skills. Managing Your References	L. Ristic (RSL)	2		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	DPhil Open Day	Dr A.O. Taylor & Prof P.S. Grant	2		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	<sup>1</sup> 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; bold italics = compulsory for MEM)</b>	<sup>1</sup> LabVIEW and/or MatLab + LabVIEW	National Instruments and/or AARW + LBJ		3 and/or 3	
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	Patent Literature	L. Ristic (RSL)	2		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	<sup>1</sup> 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; bold italics = compulsory for MEM)</b>	Technology & Knowledge Transfer	Chim Chu & others (ISIS Innovation) tbc			2
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	<sup>1</sup> MS Part II talks	Prof K.A.Q. O'Reilly & others			14
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	Careers & Networking Evening with Alumni	Dr A.O. Taylor & others	2		
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	<sup>1,5</sup> Foreign Language	OU Language Centre			
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	<sup>5</sup> Industrial Visits (subject to availability of places)	Dr L.B. Jones	4	4	4
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	<sup>5</sup> MatSoc Visits & Talks				
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	The OU Careers Service - Active Job Hunting	Dr A. Evans (OUCaS)	1		
UG Y4	<b>Y4 Coursework &amp; Other Elements</b>	JCCU 4th Year 2-way feedback	Y4 JCCU Representatives	1	1	
UG Y4	<b>Y4 Other Elements (bold = compulsory for MS; bold italics = compulsory for MEM)</b>	<sup>2</sup> Workshops for MEM Pt II Management Project	Prof A. Nicholson (SBS)	7		
UG Y4	<b>Y4 MEM OP2 Materials Options 2</b>	<sup>2</sup> Advanced Engineering Alloys & Composites	Prof M.L. Galano + Dr D.E.J. Armstrong		7+5	
UG Y4	<b>Y4 MEM OP2 Materials Options 2</b>	<sup>2</sup> Advanced Manufacture with Metals & Alloys: Processing, Joining & Shaping	Prof P.S. Grant + Prof K.A.Q. O'Reilly		6+6	
UG Y4	<b>Y4 MEM OP2 Materials Options 2</b>	<sup>2</sup> Devices	Prof S.C. Speller + Prof C.R.M. Grovenor + Prof P.R. Wilshaw		4+4+4	
UG Y4	<b>Y4 MEM OP2 Materials Options 2</b>	<sup>2</sup> Biomaterials & Natural Materials	Prof J.T. Czernuszka		12	
UG Y4	<b>Y4 MEM OP2 Materials Options 2</b>	<sup>2</sup> Advanced Polymers	Prof H.E. Assender + Dr M.T.F. Telling		8+4	
UG Y4	<b>Y4 MEM OP2 Materials Options 2</b>	<sup>2</sup> Materials for Energy Production, Distribution & Storage	Prof T.J. Marrow + Dr K. Porfyraakis		6+6	
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Game Theory	Economics Faculty		24	
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Econometrics	Economics Faculty	32		
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Economics of Industry	Economics Faculty	16		
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Labour Economics and Industrial Relations	Economics Faculty	16		
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Public Economics	Economics Faculty	18		
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Organisational Behaviour & Analysis	SBS Staff	16		
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Technology & Operations Management	SBS Staff	16		
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Finance (M3)	SBS Staff		16	
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Marketing (M4)	SBS Staff		16	
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Strategy (M4)	SBS Staff		16	
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Revision Lecture in Marketing	SBS Staff			2
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Revision Lecture in Finance	SBS Staff			2
UG Y4	<b>Economics &amp; Management Options</b>	<sup>2</sup> Revision Lecture in Strategic Management	SBS Staff			2

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Year	Paper	Course Title	Lecturer(s)	MT	HT	TT
PGR	Postgraduate Training (bold = compulsory)	Safety (Compulsory for new students)	Prof A.A.R. Watt	1	1	1
PGR	Postgraduate Training (bold = compulsory)	Hydrofluoric Acid Safety	Prof A.A.R. Watt	1	1	1
PGR	Postgraduate Training (bold = compulsory)	Laser Safety	Dept of Physics	2	1	1
PGR	Postgraduate Training (bold = compulsory)	Induction course for Postgraduate students	Dr A.O. Taylor & others	9		
PGR	Postgraduate Training (bold = compulsory)	Intro to the MPLSD Graduate School and Grad Academic Programme (GAP)	Prof D. Gavaghan	1		
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	Les Chorley & others	1	1 <sup>4</sup>	
PGR	Postgraduate Training (bold = compulsory)	Looking to the Future - What do Employers Seek?	Dr R. Bray (OUCaS), Dr A.O. Taylor, Dr A. Norton (Rolls Royce) Dr M. Saran (Royal Bank of Scotland)	2		
PGR	Postgraduate Training (bold = compulsory)	Optical Microscopy	Prof P.D. Nellist	3		
PGR	Postgraduate Training (bold = compulsory)	Information Skills	L. Ristic (RSL)	2		
PGR	Postgraduate Training (bold = compulsory)	Managing your References	L. Ristic (RSL)		2	
PGR	Postgraduate Training (bold = compulsory)	Patent Literature	L. Ristic (RSL)	2		
PGR	Postgraduate Training (bold = compulsory)	X-ray Diffractometry	Prof C.R.M. Grovenor	2		
PGR	Postgraduate Training (bold = compulsory)	Introduction to the MML	Dr P.J. Warren	1		
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	Dr A.O. Taylor & D. Baker (OUCS)		6	
PGR	Postgraduate Training (bold = compulsory)	1st Year informal Vivas	Dr A.O. Taylor + All Academic Staff			~14
PGR	Postgraduate Training (bold = compulsory)	2nd Year DPhil Talks	Drs A.O. Taylor & J.L. Hutchison + All Academic Staff		~12	
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. Charles (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 L.B. Jones	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)	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)	Technology & Knowledge Transfer tbc	Chim Chu & others (ISIS Innovation) tbc			2
PGR	Postgraduate Training (bold = compulsory)	Teaching Skills: Tutoring Maths Classes	Prof M.L. Galano	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 K.A.Q. O'Reilly + Dr L.B. Jones	3		
PGR	Postgraduate Training (bold = compulsory)	Teaching Skills: Delivering a UG Lecture Course (this workshop is run only if required)	Dr A.O. Taylor & others	3		
PGR	Postgraduate Training (bold = compulsory)	LabVIEW and/or MatLab + LabVIEW	National Instruments and/or AARW + LBJ		3 and/or 3	
PGR	Postgraduate Training (bold = compulsory)	Owning a successful DPhil	JCCG & Alison Trinder	2		
PGR	Modular training in electron microscopy	<sup>6</sup> Advanced microanalysis	Prof S. Lozano-Perez			8
PGR	Modular training in electron microscopy	<sup>6</sup> WDS and quantitative X-ray Analysis	Dr C.J. Salter			11
PGR	Modular training in electron microscopy	<sup>6</sup> Electron Backscattering Diffraction (EBSD)	Prof A. J. Wilkinson + G. Chapman	2+6		
PGR	Modular training in electron microscopy	<sup>6</sup> Focussed ion-beam milling (FIB)	Dr G.M. Hughes	5	5	5
PGR	Modular training in electron microscopy	<sup>6</sup> Analysis of HREM Images	Dr N.P.Young		6	

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PGR	Postgraduate lecture courses	Foundation Topics for Electron Microscopy	Dr N.P. Young, Prof P.D. Nellist & Dr G.M. Hughes	4+2+2		
PGR	Postgraduate lecture courses	Spectroscopy with the (S)TEM	Prof J.M. Titchmarsh, Dr N.P. Young, Prof S. Lozano-Perez & Dr R.J. Nicholls		5+1+1	1
PGR	Postgraduate lecture courses	Microscopy & Analysis of Surfaces	Dr F. Dillon + Dr C.S. Allen	5+3		
PGR	Postgraduate lecture courses	Imaging & Diffraction in (S)TEM	Dr C.S. Allen & Dr N.P. Young		4+4	
PGR	Postgraduate lecture courses	Scientific Computing (may next run in 2018/19)	Prof N. Trefethen (Computing Lab)	12	12	
PGR	Postgraduate lecture courses	Early Metallurgy tbc	Dr C.J. Salter		8	
PGR	Postgraduate lecture courses	Fusion CDT: Lectures + Classes (at York)	Dr D.E.J. Armstrong, tbc & Dr M. Auger	8+4+6		
PGR	Postgraduate lecture courses	Fusion CDT: Materials for Fusion	Dr D.E.J. Armstrong & others	?		
PGR	Postgraduate lecture courses	Fusion CDT: Radiation Damage + classes	tbc	13+6		
PGR	Postgraduate lecture courses	Fusion CDT: Analytical Tools	Dr N.P. Young, Dr P.A.J. Bagot & others + Practicals		8+18	
PGR	Postgraduate lecture courses	Diamond CDT Lectures & Classes (at Warwick)	Prof R.I. Todd	4		
PGR	Postgraduate lecture courses	Introduction to Quantum Information Processing	Prof S.C. Benjamin + tbc	6+2+1		
PGR	Postgraduate lecture courses	<sup>3</sup> Materials & Devices for Optics & Optoelectronics	Prof J.M. Smith	12		
PGR	Postgraduate lecture courses	<sup>3</sup> Strength & Failure of Materials	Prof A.J. Wilkinson + Dr E Liberti	6+6		
PGR	Postgraduate lecture courses	<sup>3</sup> Nanomaterials	Prof N. Grobert + Dr K. Porfyrakis + Prof H. Bhaskaran	4+4+4		
PGR	Postgraduate lecture courses	<sup>3</sup> Prediction of Materials Properties	Prof F. Giustino	12		
PGR	Postgraduate lecture courses	<sup>3</sup> Engineering Ceramics: Synthesis & Properties	Prof R.I. Todd	12		
PGR	Postgraduate lecture courses	<sup>3</sup> Advanced Engineering Alloys & Composites	Prof M.L. Galano + Dr D.E.J. Armstrong		7+5	
PGR	Postgraduate lecture courses	<sup>3</sup> Advanced Manufacture with Metals & Alloys: Processing, Joining & Shaping	Prof P.S. Grant + Prof K.A.Q. O'Reilly		6+6	
PGR	Postgraduate lecture courses	<sup>3</sup> Devices	Prof S.C. Speller + Prof C.R.M. Grovenor + Prof P.R. Wilshaw		4+4+4	
PGR	Postgraduate lecture courses	<sup>3</sup> Biomaterials & Natural Materials	Prof J.T. Czernuszka		12	
PGR	Postgraduate lecture courses	<sup>3</sup> Advanced Polymers	Prof H.E. Assender + Dr M.T.F. Telling		8+4	
PGR	Postgraduate lecture courses	<sup>3</sup> Materials for Energy Production, Distribution & Storage	Prof T.J. Marrow + Dr K. Porfyrakis		6+6	
PGR	Research Colloquia	Materials Colloquia	Various	8	8	8
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