

| General Scheme 2022/23 (04.10.2022) | | | KEY: Red font = providing sabbatical cover; Green font = change; Grey font = will not run this year | Grey shading = to be confirmed | | |
|-------------------------------------|---|--|---|--------------------------------|-----|------|
| | | | | 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 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 | P. Bailey + 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) 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. P.D. Nellist | 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. P.D. Nellist | 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 | 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 + tbc + Dr A Mostaed | 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 | Prof 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 | 4+4 | 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 | Dr A. Sheader | | 3 | A |
| UG Y1 | MS4: Mathematics for Materials Science | Integration + Complex Numbers | Dr J Prentice | | 5+4 | J |
| UG Y1 | MS4: Mathematics for Materials Science | Ordinary Differential Equations | Dr A Sheader | | 6 | |

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| Year | Paper | Course Title | Lecturer(s) | Student Hours per Term | | | |
| | | | | 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 (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 (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 | 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. P.D. Nellist | 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 | 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 | Prof. R.C. Reed + 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 | | 4+8 | | |
| 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 | Dr C.S. Allen + 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 + Dr J. Ramirez Gonzalez | 5+2+3 | | | |
| UG Y2 | GP3: Mechanical Properties of Materials | Plastic Deformation of Materials | Dr E. Liotti + 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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| 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 (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 + Dr J. Gong | 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 ³ | | | | | |
| 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. 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 | 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. L. Bogani + Prof. A.A.R. Watt | 4+8 | | | |
| UG Y3 | OP1 Materials Options 1 | Magnetic and Superconducting Materials | Prof. S.C. Speller + Prof. L. Bogani | 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 | 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. 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 | Quantum Technology | Prof. J.M. Smith | | 12 | | |
| UG Y3 | OP2 Materials Options 2 | Advanced Polymers | tbc + tbc | | 8+4 | | |

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| Year | Paper | Course Title | Lecturer(s) | Student Hours per Term | | | |
| | | | | MT | HT | TT | |
| UG Y4 | Y4 Other Elements (bold = compulsory for MS) | MS Pt II Induction & Project Management | Prof J.T. Czernuszka & G. Litchfield (QinetiQ) | 7 | | | |
| UG Y4 | Y4 Other Elements (bold = compulsory for MS) | Information Skills. Managing Your References | tbc (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 & HoD | 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 | 3 | | | |
| UG Y4 | Y4 Other Elements (bold = compulsory for MS) | Patent Literature | tbc (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 J.T. Czernuszka & 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 | | | |

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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) | Mr 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 | 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 ² | |
| PGR | Postgraduate Training (bold = compulsory) | Looking to the Future - What do Employers Seek? | 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 | tbc (RSL) | 2 | | |
| PGR | Postgraduate Training (bold = compulsory) | Managing your References | tbc (RSL) | | 2 | |
| PGR | Postgraduate Training (bold = compulsory) | Patent Literature | tbc (RSL) | 2 | | |
| PGR | Postgraduate Training (bold = compulsory) | X-ray Diffractometry | Prof. S.C. Speller tbc | 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 tbc (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 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 tbc | 3 | | |
| PGR | Postgraduate Training (bold = compulsory) | Teaching Skills: Junior Demonstrating | Prof P.D. Nellist & 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 & Martin Meier tbc | 3 | | |
| PGR | Postgraduate Training (bold = compulsory) | Owning a successful DPhil | JCCG | 2 | | |

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| Year | Paper | Course Title | Lecturer(s) | Student Hours per Term | | | |
| | | | | MT | HT | TT | |
| 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, Prof 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 | | 8 | | |
| PGR | Postgraduate lecture courses | Atomistic Modelling | Prof J.R. Yates + Dr C.E. Patrick | 25 | | | |
| PGR | Postgraduate lecture courses | Materials & Devices for Optics & Optoelectronics ¹ | Prof. L. Bogani + Prof. A.A.R. Watt | 12 | | | |
| PGR | Postgraduate lecture courses | Magnetic and Superconducting Materials ¹ | Prof. S.C. Speller + Prof. L. Bogani | 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 | Microstructural Control in Engineering 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. Czemuszk | | 12 | | |
| PGR | Postgraduate lecture courses | Quantum Technology ¹ | Prof. J.M. Smith | | 12 | | |
| PGR | Postgraduate lecture courses | Advanced Polymers ¹ | tbc + tbc | | 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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| Year | Paper | Course Title | Lecturer(s) | Student Hours per Term | | | |
| | | | | MT | HT | TT | |
| | APPENDIX 1 - PRACTICAL COURSES | | | | | | |
| | PRACTICAL | SD | DSD | | | | |
| 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 / PDN | n/a | 6.75 | | | |
| UG Y1 | 1P4: Metallography. Ac Lead: AJW | S Feng | AJW | 6 | | | |
| UG Y1 | 1P5: Polymers - Molecular Weight Effects. Ac Lead: NG (Acta-style write-up, summative) | NG | I Han | | 6 | | |
| UG Y1 | 1P6: Thermal Analysis. Ac Lead: EL | EL | KAQOR | | 6 | | |
| UG Y1 | 1P7: Bubble Raft. Ac Lead: SCB (Acta-style write-up, summative) | J Ramirez Gonzalez | MRC | | 6 | | |
| UG Y1 | 1P8: Electrode Potentials. Ac Lead: MP | Y Sun | MP | | 6 | | |
| UG Y1 | 1P9: Energy Levels & Band Gaps. Ac Lead: AARW | AARW | HB | | | 6 | |
| UG Y1 | 1P10: Fabrication & Tensile Testing. Ac Lead: JTC | 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 (Acta-style write-up, summative) | J Liu | MPM | 9 | | | |
| UG Y2 | 2P3: Extrusion. Ac Lead: MLG | M. Danaie | MLG | 9 | | | |
| UG Y2 | 2P4: Casting. Ac Lead: KAQOR | KAQOR | MLG | 9 | | | |
| UG Y2 | 2P5: Diffusion. Ac Lead: TJM | TJM | CRMG | | 9 | | |
| UG Y2 | 2P6: Dislocations & Plasticity. Ac Lead: MRC | MRC | JTC | | 9 | | |
| UG Y2 | 2P7: Corrosion. Ac Lead: PGB | tbc | tbc | | 9 | | |
| UG Y2 | 2P8: Mechanical Properties of Polymers. Ac Lead: tbc (Acta-style write-up, summative) | PDN | AARW | | 9 | | |
| UG Y2 | 2P9: X-ray Diffraction Detective. Ac Lead: tbc | tbc | RSW | | | 9 | |
| UG Y2 | 2P10: SEM & Fracture. Ac Lead: RIT (Acta-style write-up, summative) | RIT | tbc | | | 9 | |
| UG Y2 | 2P11: TEM. Ac Lead: PDN (non-assessed training exercise) | NPY | PDN | | | 9 | |
| UG Y2 | 2P12: Semiconductor Devices. Ac Lead: RSB | RSB | AARW | | | 9 | |

| General Scheme 2022/23 (04.10.2022) | | | | KEY: Red font = providing sabbatical cover; Green font = change; Grey font = will not run this year | | Grey shading = to be confirmed | |
|-------------------------------------|---|--------------|-------------|---|----|--------------------------------|--|
| Year | Paper | Course Title | Lecturer(s) | Student Hours per Term | | | |
| | | | | MT | HT | TT | |
| | APPENDIX 2: LEAD ROLES IN TEACHING 2022/23 | | | | | | |
| | ROLE | STAFF MEMBER | | | | | |
| | 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 | CRMG | | | | | |
| | Chair (Deputy Chair) of FHS Examiners | PDN (JMS) | | | | | |
| | UG Admissions Coordinator | AOT | | | | | |
| | Practical Courses Organiser | PDN | | | | | |
| | Part II Organiser | JTC | | | | | |
| | Industrial Visits Organiser | EL | | | | | |
| | Supplementary Subjects & Foreign Language Options Organiser | PJM | | | | | |
| | Summer Exchanges & Placements Organiser | AARW | | | | | |
| | Industrial Tour Organiser | AOT | | | | | |
| | MS1 Lead and Crystallography Organiser | MRC | | | | | |
| | MS2 Lead | DEJA | | | | | |
| | MS3 Lead | CRMG | | | | | |
| | MS4 Lead and Maths, Computing & Modelling Organiser | JRY | | | | | |
| | 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 | | | | | |
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