



**Mapping of Graduate School Doctoral Courses to Professional Competencies for Membership and CPhys.**

Requirements: M = Mandatory, O = Optional and R = Recommended

M<sup>1</sup> = Recommended for appointed student representatives

<b>Programme Group &amp; Course Title:</b>	<b>Mapping</b>	<b>Year</b>	<b>CPhys. Comp.</b>
<b>Research Communication Programme:</b>			
Thesis Writing Retreat	O	3 <sup>rd</sup>	10
Developing and producing your research: A Scientific Approach to Research Communication	O	1 <sup>st</sup>	10
Developing and producing your research: Literature Review	M	1 <sup>st</sup>	11
Developing and producing your research: Publication (BEPS/MLSPD)	O	Any	10
Developing and producing your research: Thesis	M	2 <sup>nd</sup> /3 <sup>rd</sup>	10
Developing and producing your research: Grant Applications	O	Any	12
Developing and producing your research: Understanding the Manuscript Review Process	O	Any	11
Developing and producing your research: Critical Thinking for communication	O	Any	11
Perfecting Presentations: Poster Top Tips	O	1 <sup>st</sup>	10
Perfecting Presentations: Present your Poster!	M	1 <sup>st</sup>	10
Perfecting Presentations: Conferences and Seminars	M	2 <sup>nd</sup>	10
Perfecting Presentations: Advanced Presentations	M	3 <sup>rd</sup>	10
Mini-retreat for AFHEA Applications and Thesis Writing	O	3 <sup>rd</sup>	10
Preparing for thesis submission, examination and Open Access Q&A: everything you need to know	O	3 <sup>rd</sup> /4 <sup>th</sup>	10
<b>Research Impact Programme</b>			
Impact & Influence Retreat	O	2 <sup>nd</sup>	12
Impact in Academia: Building your Research Profile and Vision	R	2 <sup>nd</sup> /3 <sup>rd</sup>	12
Impact in Academia: Understanding UK Higher Education landscape	O	Any	12
Impact in Academia: Making an Impact	R	2 <sup>nd</sup> /3 <sup>rd</sup>	12
Impact in Academia: Understanding and Developing Assertiveness (Moved programme)	O	Any	12
Impact in Academia: Alternative ways to measure your research impact	O	2 <sup>nd</sup> /3 <sup>rd</sup>	12
Societal Engagement: Public Engagement	O	Any	4
Societal Engagement: Public Involvement in Medical Research	O	Any	4
Societal Engagement: Communicating Research in Schools	O	Any	4
Societal Engagement: Evaluating Engagement	O	Any	4
Societal Engagement: Patient and Public Involvement in Research	O	Any	4
<b>Research Computing &amp; Data Science Programme</b>			
Data Science: Basic Statistics	R	Any	7
Data Science: Data processing with Python pandas	O	Any	7
Data Science: Data exploration and visualisation	R	Any	7



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Data Science: Data Processing with R	O	Any	7
Data Science: Further Hypothesis Testing	O	Any	7
Data Science: Introduction to Machine Learning	O	Any	7
Data Science: Introduction to Sampling & Hypothesis Testing	O	Any	7
Data Science: Introduction to Statistics Using SPSS.	O	Any	7
Data Science: Machine Learning with Python	O	Any	7
Data Science: R programming	O	Any	7
Data Science: Regression Modelling	R	Any	7
Research Computing: Introduction to C++	O	Any	6
Research Computing: Introduction to Fortran	O	Any	6
Research Computing: Introduction to HPC at Imperial	O	Any	6
Research Computing: Introduction to Julia	O	Any	6
Research Computing: Introduction to LaTeX	R	Any	6
Research Computing: Introduction to MATLAB	R <sup>3</sup>	Any	6
Research Computing: Introduction to Python	R <sup>3</sup>	Any	6
Research Computing: The Linux Command Line for Scientific Computing	O	Any	6
Research Computing: Essential Software Engineering for Researchers	O	Any	6/7
Research Computing: Numerical Computing in Python with NumPy & SciPy	O	Any	6/7
Research Computing: Object-Oriented Python	O	Any	6/7
Research Computing: Plotting in Python with Matplotlib	O	Any	6/7
Research Computing: Profiling and Optimisation in Python	O	Any	6/7
Research Computing: Reproducible & Scalable Research Computing with Containers	O	Any	6/7
Research Computing: Using Git to code, collaborate and share	O	Any	6
Research Computing: Writing Theses in LaTeX	R	Any	6
<b>Research Integrity Programme</b>			
Ensuring Integrity: Plagiarism Awareness	M	1 <sup>st</sup>	3
Ensuring Integrity: Intellectual Property (face-to-face/online)	O	Any	3
Ensuring Integrity: Copyright for Researchers	M	Any	3
Ensuring Integrity: Introduction to making your thesis open access	O	Any	4/10
Ensuring Integrity: Science, Research and Integrity	M	Any	3
Information Landscape: Information Retrieval	O	Any	11
Information Landscape: EndNote	O	Any	7
Information Landscape: Introducing the Web of Science Database	O	Any	7
Information Landscape: Keeping Your Research Up to Date	M	Any	7
Information Landscape: Data Management LIBRARY	M	2 <sup>nd</sup>	7
Webinar: Information Landscape: Research Data Management Plans LIBRARY	O	Any	7
Introduction to Philosophy - Knowledge, Truth and Science?	O	Any	11
<b>Professional Effectiveness Programme</b>			



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Maximising your Management Skills: Becoming an Effective Researcher	M	1st	5
Maximising Your Management Skills: Time Management for your Doctorate	M	1 <sup>st</sup>	8
Maximising Your Management Skills: Put Project Management into Action	M	1 <sup>st</sup>	9
Maximising Your Management Skills: Planning & Preparing for your Thesis & Viva	O	Any	9/10
Teams & Communication Retreat	M	1 <sup>st</sup>	5
Understanding Yourself and Others: Introduction to MBTI	O	Any	5
Understanding Yourself and Others: Introduction to the Clifton Strengths Finder	O	Any	6
Understanding Yourself and Others: Enhancing Wellbeing for Doctoral Researchers	M	2nd	3
Understanding Yourself and Others: Academic Resilience	O	Any	3
Understanding Yourself and Others: Enhancing your Leadership Skills	M	2 <sup>nd</sup> /3 <sup>rd</sup>	12
Understanding Yourself and Others: Understanding and Developing Assertiveness	O	Any	12
Understanding Yourself and Others: It's your PhD: Managing the Supervisor-Student Partnership	O	1 <sup>st</sup>	5/9
Understanding Yourself & Others: Introduction to Unconscious Bias	R	1 <sup>st</sup>	5
<b>Professional Progression</b>			
Finish Up Move On + (FUMO)	M	3 <sup>rd</sup>	6
Progression for your PhD and beyond: Networking for Progressing Your PhD	M	2 <sup>nd</sup> /3 <sup>rd</sup>	6/12
Progression for your PhD and beyond: Negotiation for Your Doctorate and Beyond	O	Any	11
Progression for your PhD and beyond: Maintaining your Motivation and Building Independence	M	2 <sup>nd</sup>	9
Progression for your PhD and beyond: Thinking about doing a postdoc?	O	2nd/3rd	6
Progression for your PhD and beyond: Ask the Doctor: your Chance to Chat with a Doctoral Graduate at Work	O	2nd/3rd	6
Careers: An Introduction to Career Planning for 1st Year PhDs: Business, Engineering & Physical Sciences Or Careers: An Introduction to Career Planning for 1st Year PhDs: Life Sciences & Medicine	M	1 <sup>st</sup>	6
Careers: Effective CVs and Applications	O	Any	6
Careers: Job Search with a Difference	O	Any	6
Careers: Preparing for Interviews	O	Any	6
<b>Graduate Teaching Assistants (GTA) Programme</b>			
Introduction to Learning and Teaching	O	Any	6
Introduction to Assessment and Feedback for assessment	O	Any	6
Promoting Active Learning in Labs	O	Any	6



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Microteaching	O	Any	6
Applying for AFHEA	O	Any	6/12
GTA Retreat	O	Any	6
<b>PG REP Programme</b>			
Negotiation skills for Postgraduate Representatives	M <sup>1</sup>	Any	11
Chairing Meetings for Postgraduate Representatives	M <sup>1</sup>	Any	5/12
Assertiveness for Postgraduate Representatives	M <sup>1</sup>	Any	12
Postgraduate Well-being: Help your Peers	M <sup>1</sup>	Amy	3/5
<b>Online Courses</b>			
Plagiarism Awareness	M	1 <sup>st</sup>	3
Copyright for Researchers	O	1 <sup>st</sup>	3
<b>Discipline / Departmental / Imperial Safety Training</b>			
Local Safety Courses and Departmental requirements	M	1 <sup>st</sup>	2