Mapping of Graduate School Doctoral Courses to Professional Competencies for Membership and CChem

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

M[1] = Recommended for appointed student representatives

Programme Group & Course Title:	Mapping	Year	CChem Comp.		
Research Communication Programme:					
Thesis Writing Retreat	O	3rd	C1	A4	
A Scientific Approach to Research Communication	O	1st	C1	A4	
Literature Review	M	1st	C1	A4	
Publication (BEPS/MLSPD)	O	Any	C1	A4	
Thesis	M	2nd/3rd	C1	A4	
Grant Applications	O	Any	C1	A4	
Critical Thinking for communication	O	Any	C1	A4	
Poster Top Tips	O	1st	C1	C2	
Present your Poster!	M	1st	C1	C2	
Conferences and Seminars	M	2nd	C1	C2	
Advanced Presentations	M	3rd	C1	C2	
Preparing for thesis submission, examination and Open Access Q&A	O	3rd /4th	C1	A4	
Research Impact Programme					
Understanding Impact and How to Achieve It	R	2nd/3rd	C3		
Bibliometrics and Demonstrating Academic Impact	O	2nd/3rd	C3		
Communicating Research in Schools	O	Any	C1	C2	E1
Publishing Open Access: Your Research and Thesis	O	Any	B1	A3	A2
Core Public Engagement MasterClass: Exploring Planning and Evaluating Engagement	O	Any	C1	C2	E1
Preprints and Open Peer Review	O	Any	C1	C2	E1
Research Computing & Data Science Programme					
Basic Statistics	R	Any	A4	A3	
Data Processing with Python Pandas	O	Any	A4	A3	
Data Exploration and Visualisation	R	Any	A4	A3	
Data Processing with R	O	Any	A4	A3	
Further Hypothesis Testing	O	Any	A4	A3	
Introduction to Machine Learning	O	Any	A4	A3	
Introduction to Sampling & Hypothesis Testing	O	Any	A4	A3	
Introduction to Statistics Using SPSS.	O	Any	A4	A3	
Machine Learning with Python	O	Any	A4	A3	
Introduction to R	O	Any	A4	A3	
Regression Modelling in R	R	Any	A4	A3	
Introduction to C++	O	Any	A3	A2	
Introduction to Fortran	O	Any	A3	A2	
Introduction to HPC at Imperial	O	Any	A3	A2	
Introduction to Julia	O	Any	A3	A2	

Introduction to LaTeX	R	Any	A3	A2	
Introduction to MATLAB	R[3]	Any	A3	A2	
Introduction to Python (online)	R[3]	Any	A3	A2	
The Linux Command Line for Scientific Computing	O	Any	A3	A2	
Essential Software Engineering for Researchers	O	Any	A3	A4	A2
Numerical Computing in Python with NumPy & SciPy	O	Any	A3	A4	A2
Object-Oriented Python	O	Any	A3	A4	A2
Plotting in Python with Matplotlib	O	Any	A3	A4	A2
Profiling and Optimisation in Python	O	Any	A3	A4	A2
Reproducible & Scalable Research Computing with Containers	O	Any	A3	A4	A2
Using Git to code, collaborate and share	O	Any	A3	A2	
Writing Theses in LaTeX	R	Any	A3	A2	
Research Integrity Programme					
Plagiarism Awareness	M	1st	B1	A3	A2
Intellectual Property (online)	O	Any	B1	A3	A2
Copyright for Researchers	M	Any	B1	A3	A2
Science, Research and Integrity	M	Any	B1	A3	A2
Information Retrieval	O	Any	B1	A2	
EndNote	O	Any	B1	A2	
Introducing the Web of Science Database	O	Any	B1	A2	
Keeping Your Research Up to Date	M	Any	B1	A2	
Research Data Management LIBRARY	M	2nd	B1	A2	
Research Data Management Plans LIBRARY	O	Any	B1	A2	
Introduction to Philosophy	O	Any	B1	A2	
Professional Effectiveness Programme					
Becoming an Effective Researcher	M	1st	B2		
Time Management for your Doctorate	M	1st	B2		
Putting Project Management into Action	M	1st	B2		
Planning & Preparing for your Thesis & Viva	O	Any	B2		
Teams & Communication Retreat	M	1st	B3	C2	C1
Introduction to MBTI	O	Any	B3	C1	C3
Introduction to the Clifton Strengths Finder	O	Any	B3	C1	C3
Enhancing Wellbeing for Doctoral Researchers	M	2nd	B1	B3	
Academic Resilience	O	Any	B1	B3	
Enhancing your Leadership Skills	M	2nd/3rd	C3	C2	C1
Understanding and Developing Assertiveness	O	Any	B3 / C3	C2	C1
Introduction to Unconscious Bias	R	1st	B3		
Professional Progression					
Finish Up Move On + (FUMO)	M	3rd	A3		
Networking for Progressing Your PhD	M	2nd/3rd	C3	C2	
Negotiation for Your Doctorate and Beyond	O	Any	C3	C2	
Maintaining your Motivation and Building Independence	M	2nd	B2	C3	
Thinking about doing a postdoc?	O	2nd/3rd	A3		

Ask the Doctor: your Chance to Chat with a Doctoral Graduate at Work	O	2nd/3rd	A3		
An Introduction to Career Planning for 1st & 2nd Year PhDs: Engineering & Physical Sciences Or An Introduction to Career Planning for 1st & 2nd Year PhDs: Life Sciences & Medicine	M	1st	A3		
Effective CVs and Applications	O	Any	A3		
Strategic Job Searching	O	Any	A3		
Preparing for Interviews	O	Any	A3		
Graduate Teaching Assistants (GTA) Programme					
Introduction to Learning and Teaching	O	Any	C2	E1	
Introduction to Assessment and Feedback for Learning	O	Any	C2	E1	
Promoting Active Learning in Labs	O	Any	C2	E1	
Microteaching	O	Any	C2	E1	
Applying for Associate Fellowship (AFHEA)	O	Any	C2	E1	
GTA Retreat	O	Any	C2	E1	
PG REP Programme					
Negotiation skills for Postgraduate Representatives	M[1]	Any	C3	C2	
Chairing Meetings for Postgraduate Representatives	M[1]	Any	C3	C2	
Assertiveness for Postgraduate Representatives	M[1]	Any	C3	C2	
Postgraduate Well-being: Help your Peers	M[1]	Amy	D		
Discipline / Departmental / Imperial Safety Training					
Local Safety Courses and Departmental requirements	M	1st	D		