IMPERIAL AWARD

Mapping of Graduate School Doctoral Courses to attributes for Imperial Award

Attribute theme	Attribute	Code
Personal effectiveness	Proactivity	PE 1
	Adaptability	PE 2
	Discovery mindset	PE 3
	Creating connections	PE 4
Independent thinking	Strategic thinking	IT 1
	Problem solving	IT 2
	Creativity and innovation	IT 3
	Critical thinking	IT 4
Effective teamwork	Awareness of group dynamics and collaboration	ET 1
	Effective communication	ET 2
	Leadership	ET 3
	Collaboration	ET 4
Valuing diversity	Social conscience	VD 1
	Open mindness	VD 2
	Global mindset	VD 3
	Emotional Intelligence	VD 4
Coaching and mentoring	Active listening	CM 1
	Developing others	CM 2
	Effective feedback	CM 3
	Motivating others	CM 4

Mapping of Graduate School Doctoral Courses to the Attributes for Imperial Award.

Programme Group & Course Title:	Mapping	Mapping	Mapping	Mapping	Mapping
Research Communication Programme:	PE	IT	ET	VD	CM
Thesis Writing Retreat	3	1, 3, 4	3, 4		1, 3, 4
A Scientific Approach to Research Communication		4			
Literature Review	3	4			1, 3
Publication (BEPS/MLSPD)	3	1, 2, 3, 4	2	3	1, 2, 3
Thesis	3	1, 2, 3, 4			1, 3
Grant Applications	3	1, 2, 3, 4	2	3	1, 2, 3
Critical Thinking for communication	3	4			1, 3
Poster Top Tips	3				1, 3
Present your Poster!	3	1, 4	2		1, 3
Conferences and Seminars	3	1, 4	2		1, 3, 4
Advanced Presentations	3	1, 4	2		1, 3
Understanding Impact and How to Achieve It	1, 2, 3, 4	1, 3, 4	1	1, 2, 3	
Public Engagement – Create your own Activity		1, 2, 3		1, 2	3

Bibliometrics and Demonstrating Academic Impact	1	2, 4	2	3	
Communicating Research in Schools	3	2, 3	1, 2, 3	1, 2, 3, 4	
Publishing Open Access: Your Research and Thesis			2	3	
Core Public Engagement MasterClass: Exploring Planning and Evaluating Engagement	1, 2, 3, 4	1, 3, 4	1, 2, 3	1, 2, 3	
Preprints and Open Peer Review	1	2, 4	2	3	
Research Computing & Data Science Programme	**PE**	**IT**	**ET**	**VD**	**CM**
Basic Statistics		1,2,4			
Data Processing with Python Pandas		1,2,4			
Data Exploration and Visualisation	3	1,2,4			
Data Processing with R		1,2,4			
Further Hypothesis Testing		1,2,4			
Introduction to Machine Learning		1,2,4			
Introduction to Sampling & Hypothesis Testing		1,2,4			
Introduction to Statistics Using SPSS.		1,2,4			
Machine Learning with Python	3	1,2,3,4			1,2,3
Introduction to R		1,2,4			
Regression Modelling in R	3	1,2,3			
Introduction to C++	3	1,2,3			
Introduction to Fortran		IT1, IT2, IT3			
Introduction to HPC at Imperial	3	1,2,3,4			
Introduction to Julia		IT1, IT2, IT3			
Introduction to LaTeX		IT2, IT3			
Introduction to MATLAB	1, 2	1,2,3			
Introduction to Python (online)		IT1, IT2, IT3			
The Linux Command Line for Scientific Computing	3	1,2,3			
Essential Software Engineering for Researchers	3	1,2,3			
Numerical Computing in Python with NumPy & SciPy		IT1, IT2, IT3, IT4			
Object-Oriented Python		IT1, IT2, IT3, IT4			
Plotting in Python with Matplotlib		IT1, IT2, IT3			
Profiling and Optimisation in Python		IT1, IT2, IT4			
Reproducible & Scalable Research Computing with Containers	1, 2, 3, 4	1,2,3	1, 4		
Using Git to code, collaborate and share	3	1,2,3	2		

Writing Theses in LaTeX		IT1, IT2, IT3			
Research Integrity Programme	**PE**	**IT**	**ET**	**VD**	**CM**
Plagiarism Awareness	-	-	-	1, 2	-
Intellectual Property (online)	2,3	3	-	1	-
Copyright for Researchers	3	-	-	1	-
Science, Research and Integrity	2,3	4	-	2,3	-
Information Retrieval	3		-	-	-
EndNote	3	-	-	-	-
Introducing the Web of Science Database	3	-	-	-	-
Keeping Your Research Up to Date	2,3	-	-	-	-
Research Data Management	3	2	-	-	-
Research Data Management Plans LIBRARY	3	2	-	-	-
Introduction to Philosophy	3	-	-	2,3	-
Professional Effectiveness Programme	**PE**	**IT**	**ET**	**VD**	**CM**
Becoming an Effective Researcher	1	2	1, 2	2	1
Time Management for your Doctorate	4				
Putting Project Management into Action	1, 2	1, 2, 4			
Planning & Preparing for your Thesis & Viva		1, 2, 3, 4		3	
Teams & Communication Retreat	4	3	1, 2, 3, 4		
Introduction to MBTI			1, 4	1, 4	
Introduction to the Clifton Strengths Finder	3			1, 4	2
Enhancing Wellbeing for Doctoral Researchers	2	4		1	
Academic Resilience	1, 2			4	
Enhancing your Leadership Skills	4	1	1, 3, 4		4
Understanding and Developing Assertiveness	1, 2, 4		2, 3, 4	4	1
Introduction to Unconscious Bias	2, 3		1, 2, 3, 4	1, 2, 3, 4	1, 2
Professional Progression	**PE**	**IT**	**ET**	**VD**	**CM**
Finish Up Move On + (FUMO)	4	3	2, 3, 4	2, 3, 4	1, 2, 3, 4
Networking for Progressing Your PhD	1, 4			2, 3	
Negotiation for Your Doctorate and Beyond	1, 2	1, 2	2, 3, 4	4	1, 2, 3, 4
Maintaining your Motivation and Building Independence	1, 2, 3			4	4
Thinking about Doing a Postdoc?	1, 3, 4			2	
Ask the Doctor: your Chance to Chat with a Doctoral Graduate at Work	1, 3, 4			2	
An Introduction to Career Planning for 1st & 2nd Year PhDs: Engineering & Physical Sciences	1,3	1, 2			

Or An Introduction to Career Planning for 1st & 2nd Year PhDs: Life Sciences & Medicine					
Effective CVs and Applications	1, 3	1, 2	2		
Strategic Job Searching	1, 2, 3, 4	1, 2		3	
Preparing for Interviews			2		
Making the Most of Your PhD (Cohort)	1, 3	1, 2		3	
Graduate Teaching Assistants (GTA) Programme	**PE**	**IT**	**ET**	**VD**	**CM**
Introduction to Learning and Teaching	2	1, 4	1, 2, 3	1, 2 4	1, 4
Introduction to Assessment and Feedback for Learning		4	2		2, 3
Promoting Active Learning in Labs	1, 2, 3	2, 3	1, 2, 3		2, 3, 4
Microteaching		4	1		1, 2, 3
Applying for Associate Fellowship (AFHEA)		4			
GTA Retreat		4			
PG REP Programme	**PE**	**IT**	**ET**	**VD**	**CM**
Negotiation skills for Postgraduate Representatives	PE1,2	1, 2	2, 3, 4	4	1, 2, 3, 4
Chairing Meetings for Postgraduate Representatives		1	1, 2, 4	4	1
Assertiveness for Postgraduate Representatives	PE1, 2, 4		2, 3, 4	4	1
Postgraduate Well-being: Help your Peers	PE1, 2	2	2	1, 2, 4	1, 3, 4
PG REP Programme	**PE**	**IT**	**ET**	**VD**	**CM**
Negotiation skills for Postgraduate Representatives	**1, 2**	**1, 2**	**2, 3, 4**	**4**	**1, 2, 3, 4**
Chairing Meetings for Postgraduate Representatives		**1**	**1, 2, 4**	**4**	**1**
Assertiveness for Postgraduate Representatives	**1, 2, 4**		**2, 3, 4**	**4**	**1**
Postgraduate Well-being: Help your Peers	**1, 2**	**2**	**2**	**1, 2, 4**	**1, 3, 4**
Discipline / Departmental / Imperial Safety Training	**PE**	**IT**	**ET**	**VD**	**CM**
Local Safety Courses and Departmental requirements	-	-	-	-	-

Mapping of Graduate School Masters Courses to the Attributes for Imperial Award.

Course Title	Mapping	Mapping	Mapping	Mapping	Mapping
Mastering Presentations	**PE**	**IT**	**ET**	**VD**	**CM**
Presentation Skills, An audience centred approach		IT1, IT4	ET2		CM3
Presenting your research by Poster		IT1, IT4	ET2		CM3
Public Speaking		IT1, IT4	ET2		CM3
Mastering Dissertation	**PE**	**IT**	**ET**	**VD**	**CM**
Preparing your Literature Review (online course)		IT4			
Preparing your Dissertation (online course)		IT4			
Preparing a PhD Proposal		IT1, IT4			
Research Effectiveness	**PE**	**IT**	**ET**	**VD**	**CM**
Time Management: Boosting your Productivity	PE1, PE2, PE3	IT1			
Managing your Research Project using the Agile Approach	PE1, PE2	IT1, IT2, IT4			
Research Skills and Reference Management		IT1, IT4			
Creative Thinking: Thinking outside the box		IT1, IT2, IT3		VD2	
How to Enjoy the Master's Lab Experience		IT1			
How to Prepare for a Master's Viva		IT1			
Critical Thinking		IT4			

Science, Research and Integrity		IT4		VD1	
Research Computing & Data Science	**PE**	**IT**	**ET**	**VD**	**CM**
Introduction to python (online course)		IT2, IT4			
Understanding Yourself and Others	**PE**	**IT**	**ET**	**VD**	**CM**
Interpersonal Skills	PE4		ET1, ET2, ET4	VD1, VD4	CM1
Myers Briggs			1, 4	1, 4	
Enhancing Wellbeing for Master's	2	4	1, 2, 4	1	
Negotiation Skills		IT1, IT2	ET2	VD1, VD2, VD4	CM1, CM4
Leadership Skills			ET2, ET3	VD4	CM1, CM2, CM3, CM4
Moving Forward	**PE**	**IT**	**ET**	**VD**	**CM**
CV's, Cover Letters and Application forms		IT1			
Developing Your Career through Networking	PE4				
Interview Skills			ET2		
Stepping Up: Master's to PhD		IT1			