

# IMPERIAL AWARD

## Mapping of Graduate School Doctoral Courses to attributes for Imperial Award

Stream	Attribute	Code
One: Independent, open-minded thought	Innovative approach	S1A
	Creativity	S1B
	Practical, intelligent problem-solving.	S1C
	Enterprising mind-set	S1D
Two: Effective Teamwork	Communication and active listening	S2A
	Motivation	S2B
	Awareness of group dynamics and collaboration	S2C
	Strategic mind-set	S2D
Three: Self-awareness and active self-management	Critical self-analysis/self-evaluation	S3A
	Social conscience	S3B
	Recognising opportunities	S3C
	Global mind-set	S3D

Programme Group & Course Title:	Mapping	Mapping	Mapping
Research Communication Programme:	Section 1	Section 2	Section 3
Thesis Writing Retreat		S2A	S3A
A Scientific Approach to Research Communication	S1C		S3A
Literature Review	S1C	S2A	S3A
Publication (BEPS/MLSPD)	S1C	S2A	S3A, S3B, S3D
Thesis	S1C	S2A	S3A, S3B
Grant Applications	S1C	S2A, S2B	S3A, S3B, S3C, S3D
Critical Thinking for communication	S1C	S2A	S3A
Poster Top Tips		S2A	S3A, S3B
Present your Poster!	S1B	S2A	S3A, S3B
Conferences and Seminars	S1B	S2A	S3A, S3B
Advanced Presentations	S1B	S2A	S3A, S3B
Understanding Impact and How to Achieve It	S1B, S1D	S2A, S2B	S3A, S3B, S3C, S3D
Public Engagement – Create your own Activity	S1B	S2A	S3A, S3B, S3C
Bibliometrics and Demonstrating Academic Impact	S1C		
Communicating Research in Schools	S1B	S2A, S2B, S2C	S3B
Publishing Open Access: Your Research and Thesis	NA	NA	NA
Core Public Engagement MasterClass: Exploring Planning and Evaluating Engagement	S1B, S1C, S1D	S2A, S2B	S3B, S3C, S3D
Preprints and Open Peer Review	S1C		
Research Computing & Data Science Programme	Section 1	Section 2	Section 3
Basic Statistics	S1A, S1B, S1C	S2B	

Data Processing with Python Pandas	S1A, S1B, S1C	S2B	
Data Exploration and Visualisation	S1A, S1B, S1C	S2B	
Data Processing with R	S1A, S1B, S1C	S2B	
Further Hypothesis Testing	S1A, S1B, S1C	S2B	
Introduction to Machine Learning	S1A, S1B, S1C	S2B	
Introduction to Sampling & Hypothesis Testing	S1A, S1B, S1C	S2B	
Introduction to Statistics Using SPSS.	S1A, S1B, S1C	S2B	
Machine Learning with Python	S1A, S1B, S1C	S2B	S3C
Introduction to R	S1A, S1B, S1C	S2B	
Regression Modelling in R	S1A, S1B, S1C	S2B	
Introduction to C++	S1A, S1B, S1C	S2B	
Introduction to Fortran	S1A	S2B, S2C	
Introduction to HPC at Imperial	S1A, S1B, S1C	S2B	S3A
Introduction to Julia	S1A	S2B, S2C	
Introduction to LaTeX	S1		
Introduction to MATLAB	S1A, S1B, S1C	S1A, S1B, S1C	S1A, S1B, S1C
Introduction to Python (online)	S1A	S2B, S2C	
The Linux Command Line for Scientific Computing	S1A, S1B, S1C	S2B	
Essential Software Engineering for Researchers	S1A, S1B, S1C	S2B	
Numerical Computing in Python with NumPy & SciPy	S1A	S2B, S2C	
Object-Oriented Python	S1A	S2B, S2C	
Plotting in Python with Matplotlib	S1A, S2B	S2B	
Profiling and Optimisation in Python	S1A	S2B, S2C	
Reproducible & Scalable Research Computing with Containers	S1A, S1B, S1C	S2B, S2C	
Using Git to code, collaborate and share	S1A, S1B, S1C	S2B, S2C	
Writing Theses in LaTeX	S1		
<b>Research Integrity Programme</b>	Section 1	Section 2	Section 3
Plagiarism Awareness	-	-	S3B
Intellectual Property (online) Nb. Moved to Impact	S1A	-	S3B, S3D
Copyright for Researchers	-	-	S3B, S3D
Science, Research and Integrity	S1B	-	S3B
Information Retrieval			S3A
EndNote			S3A
Introducing the Web of Science Database	S1C		
Keeping Your Research Up to Date	S1C		
Research Data Management	S1C		
Research Data Management Plans LIBRARY	S1C		
Introduction to Philosophy	S1C		S3D
<b>Professional Effectiveness Programme</b>	Section 1	Section 2	Section 3
Becoming an Effective Researcher	S1A, S1B, S1C	S2A, S2B, S2C	S3A, S3C, S3D
Time Management for your Doctorate	S1C	S2B, S2C	S3A
Putting Project Management into Action	S1B, S1C		S3C
Planning & Preparing for your Thesis & Viva	S1A, S1B, S1C	S2A	S3A, S3C, S3D

Teams & Communication Retreat	S1B, S1C	S2A, S2C, S2D	S3A, S3B, S3C
Introduction to MBTI		S2A, S2C	S3A, S3B
Introduction to the Clifton Strengths Finder	S1A	S2B	S3A, S3B
Enhancing Wellbeing for Doctoral Researchers	S1C	S2B,	S3A, S3C
Academic Resilience			S3A, S3B, S3C
Enhancing your Leadership Skills		S2B, S2D	S3B, S3C, S3D
Understanding and Developing Assertiveness		S2A, S2C, S2D	S3A, S3B, S3C
The Power of Diversity and Inclusion in Research	S1D	S2B, S2C, S2D	S3A, S3B, S3C, S3D
Introduction to Unconscious Bias	S1D	S2A, S2C, S2D	S3A, S3B, S3C, S3D
<b>Professional Progression</b>	Section 1	Section 2	Section 3
Finish Up Move On + (FUMO)	S1B, S1D,	S2A, S2B, S2C, S2D,	S3A, S3B, S3D
Networking for Progressing Your PhD		S2D	S3C, S3D
Negotiation for Your Doctorate and Beyond	S1C, S1D,	S2A, S2B, S2C, S2D	S3B, S4D
Maintaining your Motivation and Building Independence	S2B	S3A	S3B
Thinking about Doing a Postdoc?	S3A	S3C	
Ask the Doctor: your Chance to Chat with a Doctoral Graduate at Work	S3A	S3C	
An Introduction to Career Planning for 1st & 2 <sup>nd</sup> Year PhDs: Engineering & Physical Sciences Or An Introduction to Career Planning for 1st & 2 <sup>nd</sup> Year PhDs: Life Sciences & Medicine	S1C	S3A	S3C
Effective CVs and Applications	S1C	S3A	S3C
Strategic Job Searching	S1C,	S2D,	S3A, S3C, S4D
Preparing for Interviews	-	-	-
Making the Most of Your PhD (Cohort)	S1C	S2D	S3A, S3C, S4D
<b>Graduate Teaching Assistants (GTA) Programme</b>	Section 1	Section 2	Section 3
Introduction to Learning and Teaching		S2B, S2C	S3B
Introduction to Assessment and Feedback for Learning		S2A	S3A
Promoting Active Learning in Labs	S1B	S2B, S2C, S2D	
Microteaching			S3A, S3C
Applying for Associate Fellowship (AFHEA)			S3A
GTA Retreat			S3A, S3B
<b>PG REP Programme</b>	Section 1	Section 2	Section 3
Negotiation skills for Postgraduate Representatives	S1C, S1D	S2A, S2B, S2C, S2D	S3B, S3C, S3D
Chairing Meetings for Postgraduate Representatives	S2A	S2B, S2C	S3A, S3B
Assertiveness for Postgraduate Representatives	S2A	S2B, S2C, S2D	S3A, S3B, S3C
Postgraduate Well-being: Help your Peers	S1C	S2A, S2B	S3C