

## Mapping of Graduate Courses to the Professional Competencies for CPhys.

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

Course Title	Mapping	Year	Comp.
<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	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 Application	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
<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	O	Any	12
Societal Engagement: Public Engagement	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 and Data Science Skills Programme</b>			
Data Science: Basic Statistics	R	Any	7
Data Science: Introduction to Sampling & Hypothesis Testing	O	Any	7
Data Science: Regression Modelling	O	Any	7
Data Science: R programming	O	Any	7
Data Science: Introduction to Stats and SPSS	O	Any	7
Data Science: Data processing with Python pandas	O	Any	7
Data Science: Data exploration and visualisation	R	Any	7
Research Computing: The Linux Command Line for Scientific Computing	O	Any	6
Research Computing: Introduction to HPC at Imperial	O	Any	6
Research Computing: Introduction to LaTeX	R	Any	6
Research Computing: Writing Theses in LaTeX	O	Any	6
Research Computing: Introduction to MATLAB	R <sup>3</sup>	Any	6
Research Computing: Introduction to Python	R <sup>3</sup>	Any	6
<b>Research Integrity Programme</b>			
Ensuring Integrity: Plagiarism Awareness	M	1 <sup>st</sup>	3
Ensuring Integrity: Intellectual Property (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 (face-to-face or webinar)	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: Blogs, Twitter, Wikis and other web-based tools	O	Any	4
Information Landscape: Data Management	M	2 <sup>nd</sup>	7
Information Landscape: Research Data Management Plans (Webinar)	O	Any	7
Introduction to Philosophy - Knowledge, Truth and Science?	O	Any	11
<b>Professional Effectiveness Programme</b>			
Teams & Communication Retreat	M	1 <sup>st</sup>	5
Maximising your Management Skills: Becoming an Effective Researcher	M	1 <sup>st</sup>	5
Maximising Your Management Skills: Time Management for your Doctorate	M	1 <sup>st</sup>	8
Maximising Your Management Skills: Putting Project Management into Action	M	1 <sup>st</sup>	9
Maximising Your Management Skills: Planning & Preparing for your Thesis & Viva	O	Any	9/10
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	2 <sup>nd</sup>	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
<b>Professional Progression Programme</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	2 <sup>nd</sup> /3 <sup>rd</sup>	6
Progression for your PhD and beyond: Ask the Doctor: your Chance to Chat with a Doctoral Graduate at Work	O	2 <sup>nd</sup> /3 <sup>rd</sup>	6
Careers: An Introduction to Career Planning for 1st Year PhDs: Business, Engineering & Physical Sciences <b>Or</b> 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>GTA Programme</b>			
Teaching: Introduction to Learning and Teaching	O	Any	6
Teaching: Introduction to Assessment and Feedback for Learning	O	Any	6
Teaching: Microteaching	O	Any	6
Teaching: Applying for Associate Fellowship (AFHEA)	O	Any	6/12
Teaching: Introduction to Teaching with Digital Technologies	O	Any	6
Teaching: Supporting Active Learning in Labs	O	Any	6
Teaching: Facilitating Learning in Small Groups	O	Any	6
Teaching: Performative Aspects of Teaching	O	Any	6
Teaching: Introduction to Pedagogic Research	O	Any	6
Teaching: Inclusive Learning and Teaching	O	Any	6
Teaching: GTA Retreat	O	Any	6

<b>Industry &amp; Enterprise Programme</b>			
Imperial Grand Challenges Retreats	O	Any	4
Industry & Enterprise: Enterprising Skills and Entrepreneurial Attributes	O	Any	6
Industry & Enterprise: Idea Generation: Why Didn't I Think of That?	O	Any	4/12
Industry & Enterprise: Generating a Business Model Canvas	O	Any	4/12
Industry & Enterprise: Building an Enterprising Team	O	Any	5/12
Industry & Enterprise: Pitching to Industry	O	Any	4/12
Industry & Enterprise: Developing an Entrepreneurial Mindset	O	Any	4/12
<b>Introduction to Business Programme</b>			
Introduction to Business: Management Accounting	O	Any	6
Introduction to Business: Business Strategy	O	Any	4/12
Introduction to Business: The Entrepreneurial Path	O	Any	6
Introduction to Business: Organisational Behaviour	O	Any	6
Introduction to Business: Contemporary Marketing	O	Any	6
<b>PGREP Training</b>			
Negotiation skills for Postgraduate Representatives	M <sup>2</sup>	Any	11
Chairing Meetings for Postgraduate Representatives	M <sup>2</sup>	Any	5/12
Understanding and Developing Assertiveness for Postgraduate Representatives	M <sup>2</sup>	Any	12
Understanding the UK Higher Education Landscape for Postgraduate Representatives	M <sup>2</sup>	Any	4
Postgraduate Well-being: Help your Peers	M <sup>2</sup>	Any	3/5
Local Safety Courses and Departmental requirements	M	1 <sup>st</sup>	2

M<sup>1</sup> =Attendance at one of these as appropriate to your discipline; M<sup>2</sup> = Recommended for appointed student representatives; R<sup>3</sup> Recommended attendance at one of the programming courses