IMPERIAL

Faculty of Engineering
Department of Electrical and Electronic
Engineering



Student Handbook 2024–25

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Welcome to Imperial

Congratulations on joining Imperial College London, the only university in the UK to focus exclusively on science, medicine, engineering and business.

From Fleming's discovery of Penicillin to Gabor's invention of holography, Imperial has been changing the world for well over 100 years.

You're now very much a part of this community of discovery and we hope you will take this opportunity to make your own unique contribution. At Imperial, we expect all members of our community, whether students or staff, to share and demonstrate our values of respect, integrity, collaboration, innovation and excellence in all we do and strive to achieve.

Imperial provides a dedicated support network and a range of specialist support services to make sure you have access to the appropriate help, whether that's further training in an academic skill like writing your literature review or simply having someone to talk to.

You'll have access to an innovative range of professional development courses within the Early Career Researcher Institute throughout your time here, as well as opportunities to meet students from across the university at academic and social events – see page 6 for more information.

We actively encourage you to seek out help when you need it and try to maintain a healthy work-life balance. Our choice of over 360 clubs, societies and projects is one of the largest of any UK university, making it easy to do something different with your downtime.

As one of the best universities in the world, we are committed to inspiring the next generation of scientists, engineers, clinicians and business leaders by continuing to share the wonder of what we do through public engagement events. Postgraduate students, alongside our academics and undergraduate students, make a significant contribution to events such as our annual Imperial Festival and our term-time Imperial Fringe events – if you're interested in getting involved then there will be opportunities for you to do so.

Our Principles

In 2012 Imperial and Imperial College Union agreed 'Our Principles'. This series of commitments was developed by academic and support staff in partnership with undergraduate and postgraduate students and Imperial College Union.

Imperial will provide through its staff:

- · A world-class education embedded in a research environment.
- · Advice, guidance and support.
- The opportunity for students to contribute to the evaluation and development of programmes and services.

Imperial will provide students with:

- Clear programme information and assessment criteria.
- · Clear and fair academic regulations, policies and procedures.
- Details of full programme costs and financial support.
- An appropriate and inclusive framework for study, learning and research.

Imperial students should:

- · Take responsibility for managing their own learning.
- Engage with the university to review and enhance provision.
- · Respect, and contribute to, the Imperial community.

The Imperial College Students' Union will:

- Support all students through the provision of independent academic and welfare assistance.
- Encourage student participation in all aspects of the university.
- Provide a range of clubs, societies, student-led projects and social activities throughout the year.
- · Represent the interests of students at local, national and international level.

Doctoral Proposition

Imperial will:

Provide a world-class research programme

- focused on performing cutting-edge research that makes a significant contribution to the knowledge base
- throughout which internationally-acclaimed academics support, inspire and challenge you as you develop into an independent researcher
- in a vibrant and diverse community united by the aims of advancing the frontiers of science, technology, medicine and business, and addressing key economic and societal challenges

Provide innovative and effective professional development

- equipping you with skills to increase your research and personal effectiveness
- that gives you an insight into a wide range of career opportunities
- helping to ensure that you have the necessary attributes to excel in your chosen career

Deliver outstanding networking opportunities

- providing access to the elite international research community
- that arise from our extensive engagement with industry and business
- by organising a wide range of interdisciplinary meetings and social events within the university

Offer life-long membership of the Imperial community

- supporting you as a student and afterwards as an alumna/us
- enabling you to share your professional advice and experience with future students

www.imperial.ac.uk/students/academic-support/graduate-school/guidance-for-students-and-
staff/doctoral-proposition/

Mutual Expectations for the Research Degree Student Supervisor Partnership

The Early Career Researcher Institute has worked with students and staff to produce a list of minimum expectations that students and supervisors can expect from each other, "our mutual expectations". It is designed to facilitate conversations to establish effective partnerships and Imperial requires that the document is discussed at the first meeting between a main supervisor and a new student, plus at regular intervals thereafter. It also brings to light the Imperial Values, which students and supervisors should embed in the way they work together. This is a key document, so make it a priority to discuss with your supervisor.

//bb.imperial.ac.uk/bbcswebdav/xid-11805857_1

Cornerstone

In April 2022 the Early Career Researcher Institute launched the Cornerstone programme. This dedicated umbrella support and development programme helps Imperial's doctoral supervisors better support and guide their students throughout the PhD journey. Cornerstone was developed by experts from across Imperial in partnership with doctoral students. The programme includes mandatory training for all new and experienced supervisors, as well as optional continuing professional development workshops. Cornerstone is a continually evolving provision and the Early Career Researcher Institute welcomes feedback from supervisors and students - please contact Dr Victoria Crossley, the Cornerstone Programme Lead.



v.crossley@imperial.ac.uk



www.imperial.ac.uk/students/academic-support/graduate-school/cornerstone/

Welcome from the Early Career Researcher Institute

Welcome to Imperial and to the Early Career Researcher Institute!

The Early Career Researcher Institute works closely with Imperial College Union to enhance your experience and to ensure that when decisions are being made which affect your time at the university, your voice is heard.

Another important aspect of our role is to provide you with a free and exciting programme of professional development opportunities, delivered through a range of modes, so you can access these wherever you are in the world.

Our staff have a variety of research and other career experiences. Our professional development opportunities are designed to support you as you progress through your programme, but also to help you improve your personal impact, and be prepared for your chosen career, whether that is within academia, industry, government or something completely different!

Importantly, by attending our courses and workshops, you will meet students from other academic departments, enabling you to start building your research connections. We also deliver exciting competitions throughout the year which are an opportunity to broaden your knowledge as well as to have some fun!

Our primary way to communicate with you will be through our monthly e-newsletter and our weekly professional skills email bulletins. However, do check our website, blog and social media platforms to keep up to date with all the latest activities available to you.

Finally, Imperial is an extremely exciting, stimulating and diverse environment in which to work, to study and to research. Do make the most of all that the university and your programme has to offer.

Please note that the Early Career Researcher Institute was formerly known as the Graduate School. We are working hard to update all our resources with our new name, so please bear with us as we continue to work through this task. For now, you can find out more about us via the website:

www.imperial.ac.uk/students/academic-support/graduate-school/

Introduction from the President of Imperial College Union



Welcome to Imperial! To begin with, a huge congratulations on joining us here at Imperial– this is where you belong! This is a globally renowned institution and offers much more than just the degree you are looking to leave with. You will come across countless opportunities and meet an array of compelling people amongst your peers, accomplished academics and the wider university community. Imperial attracts the best talent from around the world - making it here is already a testament to your academic zeal and ambitious character. Now, what you make of your experience at Imperial has the potential to shape your future.

Being located in London is a true perk of being an Imperial student. Right on our west London doorstep are landmark museums and iconic venues, including the Royal Albert Hall which has hosted Imperial graduations for over 60 years. Beyond our campuses, the city has something for everyone; be that the West End, sporting arenas or diverse cuisines. I strongly encourage you to explore where and when you can – London is a fantastic place for your university memories to call home.

You will likely have chosen to come to Imperial for its academic reputation as an outstanding university, and it will deliver on this. The facilities for research and your learning are terrific. To accompany this, there are hundreds of student-led societies and events available to you outside of your degree. These are overseen by your students' union – Imperial College Union. The Union is led by students, for students. The four deputy presidents and I have all been democratically elected to work full time on improving your student experience at Imperial. We have a large team of permanent staff behind us, running the many functions of the Union such as supporting clubs and training student representatives.

The Union also runs the Advice Service, where guidance and support can be provided on issues such as life in halls, complaints, and academic appeals. This is a free and confidential service that is independent from the university. You can access this by emailing advice@imperial.ac.uk.

University is a new stage of life. For many, this stage presents itself with newfound freedom and control over what you do. As daunting as it may seem, take advantage of it! Immerse yourself in your degree, your extra-curricular activities and in the connections you make.

No matter what problems you have or opportunities you're looking for, we're here to help. Our office is on Level 2 in Beit Quadrangle, and you can check out our website for more information.

Wishing you an incredible year ahead,

Camille Boutrolle, Imperial College Union President 2024-25



union.president@imperial.ac.uk



imperialcollegeunion.org

Key dates 2024-25

Term dates

Autumn term: 28 September 2024 – 13 December 2024

Spring term: 04 January 2025 - 21 March 2025

Summer term: 26 April 2025 – 27 June 2025

Closure dates

Christmas/New Year: 23 December 2024 - 01 January 2025

(Imperial reopens on 02 January 2025)

Easter Holiday: 17 April 2025 – 22 April 2025

(Imperial reopens on 23 April 2025)

Early May Bank Holiday: 05 May 2025

Spring Bank Holiday: 26 May 2025

Summer Bank Holiday: 25 August 2025

My Imperial Campus

An app for students - designed by students!

My Imperial Campus is the beginning of a new mobile experience for the Imperial College London community. The app is being designed by Imperial students and alumni and delivered in an iterative way as the team learns more about the experiences that our community want in order to thrive at Imperial. The app is relatively young, and development is continual, please download and explore the app and look out for opportunities to get involved!

You can download the app for Android devices from the 'Play Store' or for iOS devices from the App Store.

Current feature highlights:

- 'Search' is an AI chatbot allowing users to chat with information from the university website and other resources.
- 'Maps' 2D maps of all campuses and the first 3D map of the South Kensington Campus (White City campus is next).
- 'Events' All public events Student Union events and societies can be explored, edit your preferences in the settings to customise the feed. Here you can also find a 'Welcome week' filter to view specific events to enjoy at your welcome week.
- 'Timetable check-in' The Business School and a growing list of other departments requires you to check into class if you are physically on site; use this feature to quickly check-in. Here you can also find a link off to view your full timetable in a browser.
- 'Internships and Careers' Search through the latest internships and job vacancies received by the Careers Service.

Imperial Success Guide

The Imperial Success Guide is an online resource with advice and tips on the transition to university level study. More than just a study guide, it is packed with advice created especially for Doctoral students, including information on support, health and well-being and ideas to help you make the most of London.



www.imperial.ac.uk/students/success-guide/pgr/



Student Shapers

Student Shapers is a chance to actively contribute to improving your learning experience at Imperial. This programme lets you work directly with staff on exciting projects that enhance the curriculum, create innovative teaching methods, and make a real difference in our learning community. The Student Shapers programme is open to all Imperial students across all Departments. All opportunities that have been approved are listed in the 'Current Projects' area of the website.

www.imperial.ac.uk/students/studentshapers/how-to-get-involved/current-projects/

Imperial Award

The Imperial Award is a programme that fosters personal development through self-reflection on your experiences, formally recognising this on your transcript. This programme is open to all students at Imperial, including UG, PGT, PGR and intercalating students. The Imperial Award aims to help you uncover more about yourself and your potential, and to enhance your ability to articulate the achievements and skills you have developed through activities beyond the lecture hall. For more information, please visit the Imperial Award page.

www.imperial.ac.uk/students/imperial-award/

Postgraduate Noticeboard

The Graduate School Postgraduate Noticeboard provides information on:

- Career Opportunities, Internships & Volunteering
- College Events & Socials
- College News & Updates
- Competitions, Programmes & Projects
- Courses & Workshops
- Funding, Studentships & Awards
- Miscellaneous

https://blogs.imperial.ac.uk/postgraduatenoticeboard

To submit a notice, please email the Graduate School.

graduate.school@imperial.ac.uk

Location and facilities 2.

Imperial has a number of campuses in London and the South-East. All have excellent travel links and are easily accessible via public transport.

Your main location of study will be:



South Kensington

Exhibition Rd, South Kensington, London SW7 2BX

Facilities

Printing is available in the main library using your student ID card.

www.imperial.ac.uk/estates-facilities/customer-services-centre/

Contact details and location of your senior research group administrator and other key contacts can be found at via https://www.imperial.ac.uk/electricalengineering/about/peoplefinder/research/research-groups/

The Department's Education Office is located in Office 607 of the Electrical and Electronic Engineering Building and open Monday-Friday, 10.00 – 16.00.

If you notice any facility defects or maintenance issues, please contact the Customer Services Centre (CSC):



The Abdus Salam Library at South Kensington is open 24 hours for study space, and further space is available to all students in GoStudy on levels 4 and 5 of the Chemistry Building. Further study space is available on level 3 of the Sherfield Building.

Make sure you find out who your subject librarian is as they'll be able to help you find books and online resources for your assignments. Also, don't forget to check out the library workshops and other campus libraries for access to specialist medicine and life sciences resources. You can borrow up to 40 books and, whether you're working on or off site, you'll be able to access e-books, e-journals and databases from their collection of almost 567,000 titles. If they don't have what you need, they can get it for you, simply ask them to buy it or request a copy through their free Document Delivery service.

For any questions library staff will be happy to help, simply chat with them online or contact them via email, phone or social media, just check the website for details:



www.imperial.ac.uk/library

Shuttle bus

A free shuttle bus runs between our South Kensington, White City and Hammersmith Campuses on weekdays. Seats are available on a first-come, first-served basis. You need to show your Imperial ID card to board. You can download the timetable and check the latest service updates at:



www.imperial.ac.uk/estates-facilities/travel/shuttle-bus

Maps

Campus maps and travel directions are available at:

www.imperial.ac.uk/visit/campuses

Accessibility

Information about the accessibility of our South Kensington Campus is available online through the AccessAble access guides:



www.accessable.co.uk/organisations/imperial-college-london

Smoke-Free Policy

All Imperial campuses and properties are smoke-free. This means that smoking and the use of ecigarettes, including vapes, by staff, students or visitors is not permitted on or within 20 metres of Imperial. The policy covers all university properties, including student accommodation and sports grounds.



www.imperial.ac.uk/smoke-free

SafeZone

SafeZone is an Imperial app through which you can quickly and directly contact the Community Safety and Security team whenever you need them. Whether you're in an emergency situation, in need of First Aid or want to report an incident on campus, SafeZone allows you to be immediately put in touch with a member of our Community Safety and Security team and, at the touch of a button, can share your location and personal profile so that they can respond quickly and effectively to your specific needs. It also allows the entire Imperial community to stay



informed in the event of a major incident in London or wherever you may be in the world. Safezone also provides information on other services, such as real-time updates on the university shuttle bus.

SafeZone is optional to register for and is now available to download on the Apple and Android App stores. Visit www.imperial.ac.uk/admin-services/security/safezone/ for more details about SafeZone.

All existing phone numbers for the Community Safety and Security team are still operational. In the event of an emergency, you can still call 4444 from any internal College phone. In the event of a wider incident in London, you can now also call 0300 131 4444, Imperial's Emergency Recorded Message Line, which will point you in the direction of up-to-date information and advice.

3. Introduction to the Department

Welcome from Head of Department and Director of Postgraduate Studies



Dear Research Student,

A very warm welcome, and my congratulations on obtaining a place in the Department of Electrical and Electronic Engineering at Imperial College. I join all my colleagues in wishing you every success in your research over the coming years.

The information attached is intended to give you a rough idea of what to expect during your studies here: The PhD lifecycle and milestones you will be expected to follow; information on the resources available to help you to achieve your objectives; and a description of our responsibilities to you as the provider of resources and academic supervision. There is also a section on the welfare and pastoral support services that you can turn to in the event of personal or academic difficulty.

There will be an opportunity to discuss this in more detail with your supervisor this week and also at an individual interview to be arranged for you later in the term with the Postgraduate Tutor. In the meantime, may I welcome you to what I hope you will find is a supportive and thriving research community.

Yours sincerely,

Professor Eric Yeatman FREng FIEEE

Head of Department



Dear New Research Student,

I would like to add my own words of welcome to those of the Head of Department and congratulate you on securing a place on our PhD programme. You are joining one of the world's leading EEE Departments and I hope your time with us will be both enjoyable and productive.

My job as Director of Postgraduate Studies is to oversee the smooth running of both the PhD and MSc programmes in the Department. Fortunately, I am supported in this by an excellent team which for PhD includes the Postgraduate Manager, the Research Group Administrators and the Postgraduate Tutors. All of these people are here to help you navigate your way through the next 3-4 years, complementing the academic guidance you will receive from your supervisor(s).

In the short term you will receive a lot of information, and at times you may find yourself bewildered. Please don't hesitate to approach any of the above people, including me, if you need help or advice while settling in.

Best wishes, Pur duit Duyth

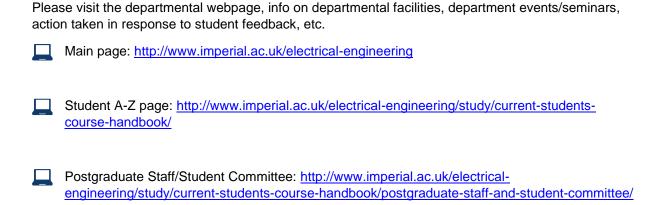
Professor Pier Luigi Dragotti Director of Postgraduate Studies

Staff

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Joan O'Brien Senior Research Group Administrator (Intelligent Systems and Networks)	Room 1002 j.obrien@imperial.ac.uk
Susan Brace Senior Research Group Administrator (Optical and Semiconductor Devices)	Room 713 s.brace@imperial.ac.uk
Kelly Greenwood Student Wellbeing Advisor	Room 608a k.greenwood@imperial.ac.uk

Departmental Information



This is an opportunity to make your feelings and views heard, through you student representative. The Committee consists of student representatives from each research group and each MSc course, the Director of Postgraduate Studies and the Postgraduate Tutor and it meets once a Term. Issues that have been discussed at previous meetings include postgraduate training, introduction of new college regulations, provision of a postgraduate common room and social opportunities.

It is very important that the administration of the Department understands the views of its postgraduate community so please try to take an active part in this process.

Department Procedures

Departmental Induction

Timetable:

http://www.imperial.ac.uk/electrical-engineering/study/new-students/

Department Resources (e.g. funding for conferences)

Publications and Conferences

During your research work you will probably be asked to contribute to the research group's research publications. These are the written record of your research and the work of the Research Group as a whole. Publications are also how you and the research output of the Department is judged on the world stage. Sometimes this is by presenting your research paper at a Conference (often in a sunny and/or exotic location) in front of an international audience or alternatively, your paper may be submitted for publication to a specialist journal. Your supervisor will normally be able to fund your attendance at important conferences - particularly those at which you will be presenting a paper. Your paper may be co-authored by your supervisor and other research colleagues, but it is a requirement that all co-authors should have made a significant intellectual or practical contribution to the published work.

PhD Student Travel

The Department is very keen to encourage you in your research and particularly to disseminate your results widely. Attending a conference is an ideal way in which to gain a broad understanding of research activity in your area and to both learn from and contribute to the body of scientific knowledge.

Accordingly, the Department offers a travel allowance of £700 for you to attend a suitable conference, preferably during the first year of your PhD programme. You should discuss with your supervisor which conference would be appropriate for you to attend and at which you may be able to present some of your own work. Payment of the allowance will be by reimbursement of expenses (expense claim form) which must be fully supported by receipts up to the stated amount and submitted to your Research Group Administrator (SRGA) for approval.

Before going to a conference or meeting outside the College, please ensure you have sought agreement from your supervisor and informed your Senior Research Group Administrator (SRGA) of your travel plans. Your SRGA will be able to advise you of any action you may need to take regarding emergency contact information, health advice and clearance, travel insurance registration (with the College), security issues and any need for a risk assessment.

Further information can be found at http://www3.imperial.ac.uk/safety/subjects/offsiteworking1

Processing your Expenses Claims

It is important that you familiarise yourself with Imperial's Expenses Policy. After you have incurred an expense, your claim should be submitted as soon as possible to your department. Unless otherwise stated by your department, all claims should be submitted within 3 months but not later than 6 months. If your claim is submitted beyond 6 months, it is likely to be rejected and you will not be reimbursed.

Graduate Teaching Assistants (GTAs)

As a valued member of the Department, and in addition to your research activities, you are encouraged to broaden your experience and develop further skills by acting as a Graduate Teaching Assistant (GTA). There are various roles offered within the department such as demonstrating, mathematics tutoring, assistant teaching and marking. Initially, you will be required to participate in a training programme which will lead to the award of a Faculty of Engineering endorsed certificate. GTAs can claim payment for undertaking teaching support duties.

Information on working as a GTA in the Department is available here: https://www.imperial.ac.uk/engineering/staff/education-and-teaching-support/gta-training/

Computers

As a registered student, you will have access to all necessary experimental apparatus and facilities located within the research group.

You will need to cover any costs associated with the requirement for access to a computer, webcam and to a reliable internet connection as you carry out your PhD research remotely.

☐ ICT print service: http://www.imperial.ac.uk/ict/printservice

Professional Skills

All doctoral students are expected to achieve a minimum of four Graduate School professional skills credits and to complete the compulsory online plagiarism awareness course as follows:

- By the Early Stage Assessment (ESA) 2 credits plus the plagiarism awareness course
- By the Late Stage Review (LSR) a further 2 credits

The Graduate School's Professional Development attendance requirement exists to ensure that all students receive a broad range of skills development training while at Imperial and the opportunity to engage with students from outside their Department.

See the Graduate School's website for details:

www.imperial.ac.uk/students/academic-support/graduate-school/

Research Approvals

Ethical approval is needed for any research that involves human participants; their tissue and /or data to ensure that the dignity, rights, safety and well-being of all participants are the primary consideration of the research project.

https://www.imperial.ac.uk/research-ethics-committee/what-is-ethics-/do-i-need-to-apply-for-ethical-approval-for-my-research-proposal/

English Language Requirement

If you are not a native English speaker you must meet the College's English language requirements.

See the Admissions website for details:

www.imperial.ac.uk/study/pg/apply/requirements/english

Attendance and Absence

You must inform your supervisor if you are absent from the university for more than three days. If the absence is due to illness you must produce a medical certificate after seven consecutive days. You should also contact your supervisor for support and guidance if your research is being impacted by personal circumstances. This may include making a submission deadline extension request. Postgraduate Research students undertaking taught elements of a doctoral programme of study should also refer to the Mitigating Circumstances Policy and Procedure:

www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-andassessment/

Your attendance will be monitored via meetings with your supervisor - you must log your attendance or absence in the attendance app. This is reviewed and verified by your PhD supervisor. You should have at least one meeting/catch-up per month with your supervisor, which will be monitored until the date of your thesis submission. This applies to students who are full-time, part-time, writing-up or away from College, on a placement, or on external study leave for research purposes. For part-time students, it is acknowledged that supervision meetings may be clustered around certain dates when students are expected to be in attendance.

The Registry will be informed of all unauthorised non-attendances as the university is obliged to report the non-attendance of students on Student Route visas to the Home Office. This is to ensure that the College meets its legal requirements under the UKVI Student Visa sponsorship scheme.

If you do not engage satisfactorily with your studies, the College will consider what action is necessary to support your continued study under the Unsatisfactory Engagement Policy.

www.imperial.ac.uk/media/imperial-college/administration-and-supportservices/registry/academic-governance/public/regulations/2022x2f23/Unsatisfactory-Engagement-Policy-and-Procedure.pdf

Health and Safety Information

Keeping you safe is a top priority for us. Imperial still encourages students to wear face coverings in crowded areas, to get fully vaccinated, to cover your coughs and sneezes, and to respect others' personal space. All staff and students are advised to stay at home if you are feeling ill or have any symptoms of respiratory disease.

The latest Imperial guidance to students can be seen at:

www.imperial.ac.uk/about/covid-19/

The Imperial Health and Safety Statement can be found at:



www.imperial.ac.uk/safety/safety-by-topic/safety-management/health-and-safety-policystatement/

Your Departmental safety contact is:



Zia Rahman



Room 302, Level 3, Department of Electrical and Electronic Engineering



+44(0)7872 850 186



z.rahman@imperial.ac.uk

You may be required to complete inductions and attend training sessions to safely complete this course. These include:

- Risk Assessment Foundation Training (RAFT): All students are required to complete this mandatory online training, accessed through staff development website.
- Any other safety induction will be done with the Laboratory staff as and when you join a research group.

There is also a wide range of eLearning micro-learning modules focused on specialised topics and designed to raise awareness of hazards and control measures for working safely in hazardous areas (i.e., laboratories and workshops) across the university.

Imperial Safety Department

The Safety Department offers a range of specialist advice on all aspects of safety. This includes anything which you feel might affect you directly, or which may be associated with teaching, research or support service activities.

The Imperial's activities range from the use of hazardous materials (biological agents, chemicals, cryogens, gases and ionising/non-ionising radiation) to field work, heavy or awkward lifting, driving, and working alone or late.

All of Imperial's activities are covered by general health and safety regulations, but higher risk activities will have additional requirements.

The Safety Department helps departments and individuals ensure effective safety management systems are in place throughout the university to comply with specific legal requirements.

Sometimes the management systems fail, and an accident or a near-miss incident arises; it is important that we learn lessons from such situations to prevent recurrence and the Safety Department can support such investigations. All accidents and incidents should be reported online at:

www.imperial.ac.uk/safety/safety-by-topic/accidents--incidents/

To report concerns or to ask for advice you should contact your programme director, academic supervisor or departmental safety officer in the first instance. You may also contact the Safety **Department** directly.

Zia Rahman



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Occupational Health requirements

Imperial's Occupational Health Service provides services to:

- protect health at work
- assess and advise on fitness for work
- ensure that health issues are effectively managed

The Service promotes and supports a culture where the physical and psychological health of staff, students and others involved in the university is respected, protected and improved whilst at work.



www.imperial.ac.uk/occupational-health

Risk Assessment Foundation Training (RAFT) online course

All students are required to complete this mandatory online training, accessed through staff development website.

https://www.imperial.ac.uk/staff-development/safety-training/safety-courses-/riskassessment-foundation-training-raft/

5. **Doctoral Milestones and Progress Reports**

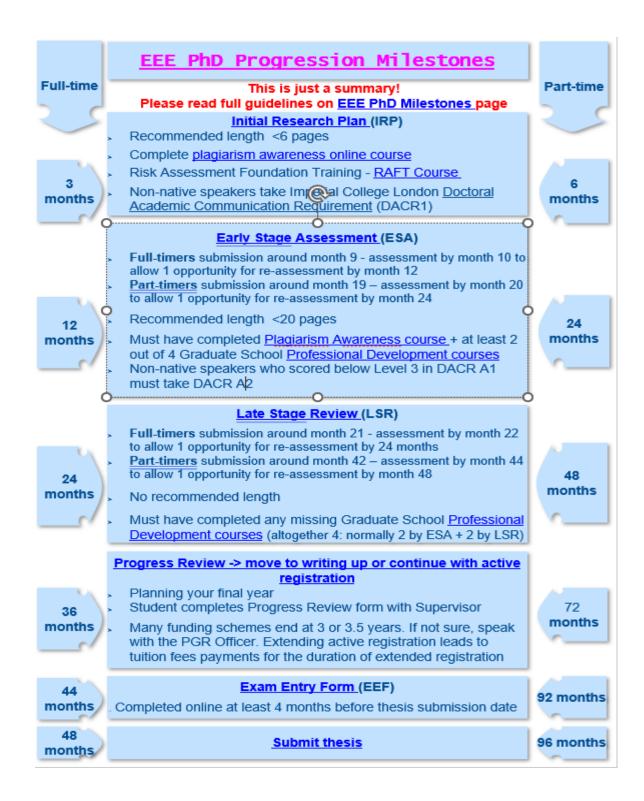


www.imperial.ac.uk/about/governance/academic-governance/academic-policy/researchprogrammes/

Assessment (ESA), Late Stage Review (LSR) and final viva will take place in person and on campus.

PhD Milestones Flowchart

The flowchart below is a snapshot of PhD student progression. You will find it on the EEE Current Student A-Z page. Digitalization of Postgraduate milestones has started in Aug 2020 and gradually the process outlined below will move to Mylmperial. Departmental webpages will be updated with guidance accordingly and you will be informed of this via email.



0-3 months (full-timers) / 0-6 months (part-timers)

PhD academic English assessments

In addition to fulfilling the English language entry requirement to gain admission to their programme of study, doctoral (PhD) students who are not native speakers of English must also fulfil the Imperial College London PhD Academic English Requirement via an initial academic English assessment and possibly a later

progress check.

The Centre for Academic English can grant exemption in some cases; please contact them directly if your think you might be eligible for exemption.

http://www.imperial.ac.uk/academic-english/phd-students/phd-academic-english-assessments/

Further English language support

The Centre for Academic English provides free in-sessional English courses for international students while they are studying. These include classes and workshops on academic language, social language, the four skills of reading, writing, listening and speaking, 1-1 consultations with a tutor to work on a piece of academic writing or an oral presentation, self-study resources in the VLE Blackboard, and the Conversation Project, which partners students with a native-speaker volunteer to practise social and conversational English.

www.imperial.ac.uk/academic-english

RAFT online course

Risk Assessment Foundation Training (RAFT): All students are required to complete this mandatory online training, accessed through staff development website.

https://www.imperial.ac.uk/staff-development/safety-training/safety-courses-/risk-assessment-foundation-training-raft/

Professional Development by the Graduate School

All doctoral students are expected to complete at least four Professional Development courses as part of their doctoral degree registration.

The Graduate School's Professional Development attendance requirement exists in order to ensure that all students receive some professional development training while at Imperial and have the opportunity to engage with the programme, alongside their research work.

See the Graduate School website for details: http://www.imperial.ac.uk/study/pg/graduate-school/students/doctoral/

Ensuring Integrity: Plagiarism Awareness (Mandatory Online Course)

This online course was developed by the Graduate School, in conjunction with the Library. It aims to equip Imperial PhD students with a working knowledge of the concept of plagiarism and how to avoid it. This enables students to use and share information ethically, with academic integrity and in accordance with Imperial College's Examination & Assessment: Academic Integrity Policy.

Master's students who complete the course during their master's registration at Imperial College London will not be expected to take the course again should they progress to a doctorate award with the College. However, students are encouraged to engage with the doctoral version of the course 6 months prior to submission of their thesis so that they can refresh their knowledge.

You will find self-enrolment instruction on the Graduate School webpage below: https://www.imperial.ac.uk/study/pg/graduateschool/students/doctoral/professional-development/research-integrity/ensuringintegrity-/

Recommended taught courses

Students are normally required to take relevant lecture courses during their first year, as determined by their supervisor, and to pass the courses' examinations where appropriate. If you are undertaking any taught modules and examinations please inform Kate Farrar – k.farrar@imperial.ac.uk - Education Support Officer, as soon as possible.

You will find the full list of Programme and Modules on webpage below: http://intranet.ee.ic.ac.uk/electricalengineering/eecourses_t4/index.asp

Early Stage Assessment (ESA): 10 months (full-timers) / 20 months (part-timers)

The College requires that a student's PhD research potential be assessed by an examination held by the end of the 12th month (24th months for part-time students) after the date of initial registration. However, the 12 (FT) / 24 (PT) month deadline also includes 1 reassessment opportunity which should be done within 2 months if first ESA was failed.

Therefore, suggested 1st assessment deadlines are at 10 (FT) & 20 (PT) months. You can find final ESA date on My.Imperial.ac.uk under Postgraduate Research milestones tab. Purpose of the Report.

This report aims to provide new research students with an early and significant milestone by which they can measure their progress in the PhD and towards which their efforts can be focused.

The report also gives the supervisor the opportunity to obtain a clear picture of the student's abilities – in terms of intellectual level, analytical and practical skills, and technical writing – and the student's aptitude for research.

Based on the assessment of the report, a student's suitability to continue on the programme will be determined and, if needed, action will be taken to address any skills that need improvement or refocusing.

Last, but not least, the report provides a mechanism to document the first period of research and provide practice for technical report writing in a way which helps to prepare students for writing their thesis later in the programme.

Format of the Report

The report must not exceed 20 pages in length and may be prepared in any reasonable format that is acceptable to the supervisor. Many students find LaTeX or LyX to be well suited to their task of technical writing and these tools are especially helpful for managing references and mathematics.

Content of the Report

The report should be helpful to the student in crystallising their thoughts and targeting their efforts in one or more direction of high potential value for a PhD thesis. The content of the report will vary according to the topic and the nature of the research to factor in, for example, a balance between theoretical and practical content appropriate to the student's particular research project. All reports will be assessed against the following criteria:

The Early Stage Assessment report should

- · set out the main research aims
- include a literature survey
- demonstrate an understanding of the research topic(s)
- · demonstrate broad awareness of activity in the research field by setting the research in context
- demonstrate technical aptitude appropriate to the PhD programme by presenting technical concepts and preliminary research work
- include a research plan in the form of a list of expected original contributions, research tasks, milestones and a realistic schedule

Expected Level of Detail and Depth

The level of technical detail and depth is expected to be at or exceeding the level of a masters (MSc) dissertation. The report needs to be concise with an appropriate balance of breadth, which is often achieved in the parts of the report associated with review of the literature, and depth, which is often achieved in the parts of the report associated with the student's own research activity.

Expected Level of Originality

There is no requirement for original contribution in the Early Stage Assessment report. However, students should highlight and justify the topic area(s) in which they expect to contribute original scientific and engineering research outcomes, and these should be listed explicitly in the research plan.

A Note on Plagiarism

All written work must adhere to proper scientific practice and, in particular, the College's rules on plagiarism that are published separately.

College now requires you to submit a copy of your ESA report to Turnitin (via Blackboard), for an originality check before your ESA assessment. The ESA assessors will check your report on Turnitin before the ESA assessment takes place.

You will need to:

- Login to Blackboard through the course name 'ESA Assignment Submission Dept.
 of Electrical and Electronic Engineering'
- 2. Submit your ESA report on Blackboard via the 'ESA Assignment Submission area'.

Please see the 'Student Guidance' tab on the left-hand panel of the Blackboard page, for step by step instructions to submit your ESA report on Blackboard via Turnitin.

Once you have submitted your ESA report on Blackboard via Turnitin, you will need to save your ESA report (with your originality report) as a pdf file, and then email it to your ESA supervisor and assessors.

Submission Procedure

The submission is done by email as per instructed in the ESA form (found on the EEE PhD Milestones Guidelines page). Please note that the milestone can only be marked as completed once you have passed the assessment.

To give your supervisor enough time to arrange an assessment date within the recommended timeline, aim at submitting it no later than the end of the 9th month for full-timers (19th month for part-timers).

From time to time, special circumstances arise which justify an extension to the deadlines for the programme. Students are encouraged to inform their SRGA at the earliest possible moment if their work has been affected by any such circumstances.

Assessment Procedure

The student will be examined orally on the contents of their report.

The assessment panel will include two assessors – at least one independent member of academic staff in addition to/other than the supervisor(s); the supervisor can be the second assessor. The assessors will be chosen appropriately to judge the technical aspects of the research as well as the student's research methodology impartially.

The student may also be required to pass appropriate written examinations as specified at the start of their programme by their supervisor (e.g.: a module from a taught course offered to master's students).

Students must have completed at least two Graduate School professional development courses and the plagiarism awareness course to pass the Early Stage Assessment.

The outcome of the assessment will be one of:

- a) Confirmation of the student's continuing registration for PhD
- b) Transfer of the student's registration to MPhil
- c) The student is required to withdraw from the College and will not be permitted to continue their registration on the programme

In cases b) or c), the student may, at the discretion of the assessment panel, resit the examination once provided that any such resit is completed by 2 months (full-timers) after the first assessment (4 months for part-timers).

You	will find regulatory ESA guidance on the College governance webpage below:
	www.imperial.ac.uk/about/governance/academic-governance/academicpolicy/research-programmes/
Colle	ege's requirement for all ESAs to be submitted to Turnitin:
	https://www.imperial.ac.uk/students/academic-support/graduate-school/guidance-
	forstudents-and-staff/turnitin-guidance-for-students/esa-turnitin

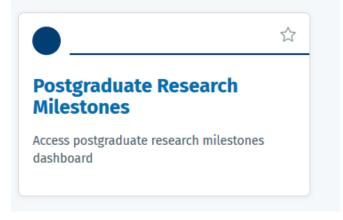
The Imperial Doctoral Academic Communication Requirement (DACR)

Imperial is dedicated to the wellbeing of its doctoral students, which includes supporting the development of their ability to communicate their research effectively and to manage the writing-up process independently. As part of this support, incoming doctoral students are assessed via Doctoral Academic Communication Requirement Assessment 1 within the first 3 months. This provides them with a clear understanding of their writing ability in relation to the demands of a research degree at Imperial and identifies areas for development.

www.imperial.ac.uk/academic-english/current-students/doctoral/academic-communication-requirement/

Late Stage Review (LSR) 22 months (full-timers) / 44 months (part-timers)

The College requires that a review of a student's PhD research ability must be undertaken no later than 24 months (48 months for part-time) after the date of initial registration, which may include one opportunity for re-assessment. Therefore, it is advised that the first assessment attempt takes place by 22nd months (44th for part-time students). You can find the final assessment date on My.Imperial.ac.uk. page under Postgraduate Research milestones tab.



Purpose of the Report

This report and presentation aim to provide research students with a significant milestone by which they can measure their progress in the PhD and towards which their efforts can be focused. The report also gives the supervisor the opportunity to obtain a clear picture of the student's progress towards the final PhD thesis, both in terms of the original research achieved to date and in terms of the quality of technical writing.

Based on the assessment of the report, a student's suitability to continue on the programme will be determined and, if needed, action will be taken to address any skills that need improvement or refocusing.

Format of the Report

There is no prescription as to the length of your LSR report. The report may be prepared in any reasonable format that is acceptable to the supervisor. Many students find LaTeX (or LyX) to be well suited to their task of technical writing and these tools are especially helpful for managing references and mathematics.

Content of the Report

The report should contain:

- a contents page for the complete thesis
- a statement of expected original contributions,
- an assessment of the research achievements so far and
- a work plan and schedule for completion of the thesis.

Expected Level of Detail and Depth

The level of technical detail and depth is expected to be at or close to the level of the PhD thesis in at least some areas. In many cases, this report can contain drafts of the thesis Introduction and Literature Review chapters.

Expected Level of Originality

The expected original contribution of the thesis should be described with sufficient level of detail and supporting work to put forward a convincing thesis proposal.

A Note on Plagiarism

All written work must adhere to proper scientific practice and, in particular, the <u>College's rules on</u> plagiarism that are published separately. Reports submitted are routinely checked for plagiarism.

Submission Procedure

The submission is done by email as per instructed in the LSR form (found on the <u>EEE PhD Milestones</u> <u>Guidelines</u> page).

Please note that the milestone can only be marked as completed once you have passed the assessment.

To give your supervisor enough time to arrange an assessment date within the recommended timeline, aim at submitting it no later than the end of the 21st month for full-timers (42nd month for part-timers).

From time to time, special circumstances arise which justify an extension to the deadlines for the programme. Students are encouraged to inform the PG Manager at the earliest possible moment if their work has been affected by any such circumstances.

Assessment Procedure

The student will be examined orally on the contents of their report.

The assessment panel will include an independent assessors from the academic staff of the College. The assessor will be chosen appropriately to judge the technical aspects of the research as well as the student's research methodology impartially.

Additional requirements of this assessment are:

- satisfactory completion of any recommended English language training, from the <u>Centre for</u>
 Academic English
- completion of an additional two Graduate Skills <u>professional development courses</u> (a total of four courses must be completed by LSR, this includes any other courses already taken at the ESA)

Format of the Presentation

The presentation is typically of 30 mins duration, but this may be varied by agreement with the supervisor and will normally be attended by colleagues and co-workers. It should present the new research undertaken so far – as if at a conference – and the research plan to complete the thesis. The presentation is organised by the supervisor.

The outcome of the examination will be one of the below:

- a) confirmation of the student's continuing registration for PhD or
- b) transfer of the student's registration to MPhil or
- c) student is required to withdraw from the College

In cases b) or c), the student may, at the discretion of the assessment panel, resit the examination one time provided that any such resit is completed within 2 months of the first attempt.

You will find further LSR guidance on the College governance webpage below:



www.imperial.ac.uk/about/governance/academic-governance/academic-policy/research-programmes/

Completing Research Status (CRS)

The Initial registration period for PhDs is three years (36 months) for full-time students and six years (72 months) for part-timers. By that point, students must review their progress with their supervisor and plan their final year.

Progress review will be conducted with your supervisor, and, providing all experimental work and collection of material relating to your thesis is complete, you will be able to **enter the writing up period**. Students in the writing up stage will no longer be required to pay tuition fees.

You must have completed both **ESA** and **LSR** in order to enter the writing up period Writing up period is capped at a maximum of twelve months in duration for full-time students, and twenty-four months for part-time students. At the end of the writing up stage, you are required to submit your thesis. If you go over the maximum duration, you will be required to submit a **Thesis Extension Request**.

A student who still has experimental or data collection work to perform at this stage cannot move in to writing up status. Students in this position will have their active research period extended and will be liable for full fees for the additional period. An extension to the active research period will not result in an extension to the thesis submission deadline; in such cases, the writing up allowance will be reduced.

You can read the full writing-up policy by downloading the PDF available Governance webapges

Many funding schemes end at 3 or 3.5 years. If not sure, please speak with the department PGR Officer.

A useful free-service for you to explore:

 <u>Center for Academic English</u> - they offer academic writing support for researchers; native speakers might also benefit from their courses on advanced academic writing, writing a research paper and global postgraduate retreat for thesis writing.

Plagiarism in Theses Guidance is also a helpful document:

www.imperial.ac.uk/media/imperial-college/administration-and-support-services/registry/academic-governance/public/academic-policy/research-degree-examinations/Plagiarism-issues-in-theses.pdf

Departmental Support and Faculty Senior Tutors

Your department has a system of academic and pastoral care in place to make sure you have access to the appropriate support throughout your time here. This includes:

Senior Tutor (PGR)

The Department's Senior Tutor (PGR) can offer pastoral support and advice. You can arrange to have a meeting with them at any time – what you discuss will be completely confidential. If necessary, they will direct you to an appropriate source of support.

Personal Tutor

You will also be assigned a personal tutor, who is an academic outside your research group. You are advised to meet them at least once a year, more if necessary. The aim of these meetings should be to exchange experiences and challenges in an enabling and supportive environment, other than to talk about a specific research topic itself.

- Personal Tutors are enablers, who have been where you are now, and may provide advice on how to improve your PhD experience.
- It is important for the students to trust their Personal Tutor and for students to feel confident to share issues they might be facing. The tutor might be able to advise and prevent issues from becoming problems.
- Conversations are strictly confidential.
- Personal Tutors will only take actions with the student's consent, and students can rest assured that safeguarding measures will be put in place.

Staff-Student Committee

Staff-Student Committees are designed to strengthen understanding and improve the flow of communication between staff and students and, through open dialogue, promote high standards of education and training, in a co-operative and constructive atmosphere. Information about the role of academic representatives, and instructions on how to become one, are available on the Imperial College Union website.

www.imperialcollegeunion.org/your-union/your-representatives/academic-representatives/overview

6. Examination Procedures

My Imperial - Postgraduate Research Milestones

You will be able to upload and submit your exam entry form, thesis declaration form and thesis, as well as view up-to-date information about your Early-Stage Assessment, Late-Stage Review and Viva Examination milestone status.

You will receive email notification when online access to Postgraduate Research Milestones is available to you. Access is via My Imperial using your Imperial single sign-on.

www.my.imperial.ac.uk/

There is a step-by-step guidance to the Examination Entry form process and Thesis Submission process is available online at:

www.imperial.ac.uk/media/imperial-college/administration-and-supportservices/registry/student-systems/student-records/student-journey/PGR-Manual---Students.pdf

Viva

Once you have submitted your thesis, the Registry will ensure that copies are provided to your examiners, in advance of your viva examination.

Your supervisor, or another member of staff in your department/division, will be responsible for organising the viva and making all the necessary arrangements.

When your viva has taken place, you will be informed of the outcome.

Please read the Success Guide for postgraduate research students for more advice on preparing for your viva:

www.imperial.ac.uk/students/success-guide/pgr/progressing-through-your-phd-/main-stages-of-the-phd/the-viva/

You can also find out more about how your examiners will assess your thesis by reading the examiner reports for research degrees:

www.imperial.ac.uk/about/governance/academic-governance/academic-policy/external-examining/

E-theses: Requesting an Embargo

In some cases, it may be necessary to delay the release of a thesis to the public by applying for an embargo.

If you decide that your thesis should have an embargo, discuss this with your supervisor and tick the appropriate box on the Thesis declaration form:

	www.imperial.ac.uk/media/imperial-college/research-and-innovation/scholarly-communication/public/thesis-declaration-form.pdf
Rea	sons for requesting an embargo include:
	You plan to publish your thesis
	 To avoid invalidating a potential patent application, see Intellectual Property:

- To avoid invalidating a potential patent application, see Intellectual Property:

 www.imperial.ac.uk/research-and-innovation/research-office/research-policies/research-related-policies/ip-policy-college-login/
- It contains commercially sensitive research or research with confidentiality obligations
- It contains information collected under the promise of confidentiality and anonymity e.g. patient information
- It shows evidence of animal experimentation and release to the public would pose a significant risk to the researchers involved or to Imperial staff and students
- It contains information of significance for national security

For further information please contact the Assessment Records team at
assessment.records@imperial.ac.uk

www.imperial.ac.uk/research-and-innovation/support-for-staff/scholarly-communication/open-access/theses/requesting-an-embargo/

Plagiarism

Plagiarism is the presentation of another person's thoughts, words or images and diagrams as though they were your own. Plagiarism can be intentional or unintentional but must be avoided at all times.

When studying for a research degree (and as you continue in your research career) it is your responsibility to conduct and disseminate research results in an honest and ethical matter. When you prepare your Early-Stage Assessment, Late-Stage Review, or final thesis, as well as other publications and presentations throughout your studies, it is essential to avoid plagiarism.

www.imperial.ac.uk/students/success-guide/pgr/developing-your-skills/practicing-open-
research/plagiarism-/

More information about plagiarism awareness for postgraduate research students is available on the Library Services website:

www.imperial.ac.uk	/library/researe	ch-support/plagi	iarism-awareness-	for-researchers

TurnitinUK is an online text matching service which assists staff in detecting possible plagiarism. The system enables institutions and staff to compare students' work with a vast database of electronic sources. You will be expected to run your Early-Stage Assessment through the Turnitin software – your department will be able to give you further information about this process.

www.imperial.ac.uk/students/academic-support/graduate-school/guidance-for-students-and-staff/turnitin-guidance-for-students/

The Early Career Researcher Institute, in conjunction with the Library, has developed a mandatory online plagiarism awareness course which needs to be completed before your Early-Stage Assessment. It aims to equip Imperial research students with a working knowledge of the concept of plagiarism and how to avoid it. This enables students to use and share information ethically, with academic integrity.

www.imperial.ac.uk/students/academic-support/graduate-school/professional-development/doctoral-students/research-integrity/plagiarism-awareness-doctoral-students/

Collusion

This is the term used for work that has been conducted by more than one individual, where this has not been permitted in the assessment brief. Where it is alleged that there has been collusion, all parties will be investigated under the Academic Misconduct procedure.

You should note that whilst the university encourages students to support each other in their studies you should be careful to ensure that you do not exceed any assessment brief with regards to individual work, acknowledge the contributions of others in your work, and do not leave yourself open to allegations that you have supplied answers to enable another student to commit academic misconduct.

Dishonest practice

This is the most serious category under the procedure. Examples of dishonest practice include bribery, contact cheating (purchasing an essay or other materials from other sources, (which is illegal in the UK) or other individual to submit as your own, making a false claim for mitigating circumstances or providing fraudulent evidence, falsifying documentation or signatures in relation to assessment or a claim for mitigating circumstances.

Research Misconduct

Research Misconduct can be characterised as behaviours or actions that fall short of the standards of ethics, research and scholarship required to ensure that the integrity of research is upheld. It can cause harm to people and the environment, wastes resources, undermines the research record and damages the credibility of research.

Regardless of discipline and institution, the fundamental factor in ensuring the quality of research and research practices has to be the honesty of the individual investigator. Investigators should be honest with respect to their own work, which means subscribing to proper scientific practices such as acknowledging the contributions of colleagues or collaborators, ensuring veracity of data, and acting with integrity in the depiction of results and conclusions. However, investigators are also expected to be honest in relation to the work of their colleagues and peers. Colluding in, or concealing, the misconduct of others is not compatible with an environment which encourages intellectual honesty and is, therefore, in itself misconduct.

Imperial's policy on, and procedures for, the investigation of allegations of research misconduct can be accessed here:

	www.imperial.ac.uk/media/imperial-college/administration-and-support-
	services/secretariat/public/college-governance/charters-statutes-ordinances-
	regulations/charters-and-statutes/Annexes-to-Appendix-to-Ordinances-Staff-13-December-
	<u>2023.pdf</u>
	www.imperial.ac.uk/research-and-innovation/about-imperial-research/research-integrity/misconduct/
	uiries about the operation of these procedures, or about potential cases of misconduct should be ressed to Jonathan Hancock, Research Integrity Officer:
\$	Jonathan.hancock@imperial.ac.uk
	ere a student completes taught module(s) as part of their research programme, they will also be ect to the Academic Misconduct procedures:
	www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/

7. University Policies and Procedures

Academic Regulations

All registered postgraduate research students of Imperial are subject to the university Academic Regulations that apply to your degree.

If your PhD programme is divided into a 1 year Masters followed by 3 years of research, please note that the Masters year will be governed by the relevant taught academic regulations of the institution making the award (in most cases this will be Imperial but in some Centres for Doctoral Training this may be a partner institution in the consortium so please check with your programme team if you are unsure). The subsequent research (PhD/EngD) period will be governed by the relevant PhD or EngD academic regulations of Imperial.

www.imperial.ac.uk/about/governance/academic-governance/regulations
www.imperial.ac.uk/students/terms-and-conditions

Unsatisfactory Engagement

Unfortunately, for a variety of reasons, sometimes students struggle to meet the university's expectations with regards to their engagement with their studies. Imperial has a process to identify and support students by reaffirming these expectations with an action plan. If a student does not engage satisfactorily engage with these supportive measures, they can be withdrawn from their studies. The full details of this process, and the appeals procedure relating to it can be found at:

	www.imperial.ac.uk/about/governance/academic-governance/regulations
	www.imperial.ac.uk/about/governance/academic-governance/academic-policy/complaints-
	appeals-and-discipline

Fitness to Study

Imperial expects students to participate within the university community, such as by fully engaging and studying to the academic level required and working and living cooperatively. If there are concerns that a student is unable to engage as expected, due to an underlying physical and/or mental health difficulty, the university has a process to ensure that decisions about a students' ability to study are made through a supportive, timely and transparent process which operates in the best interests of the student:

inter	rests of the student:
	www.imperial.ac.uk/about/governance/academic-governance/academic-policy/complaints-
	appeals-and-discipline

Academic and Research Integrity

You are expected to conduct all aspects of your academic life in a professional manner. A full explanation of academic integrity, including information on Imperial's approach to plagiarism is available on the university website:

	www.imperial.ac.uk/research-and-innovation/research-office/research-governance-and-
	integrity/research-integrity/what-is-research-integrity/
_	
	www.imperial.ac.uk/media/imperial-college/administration-and-support-
	services/registry/academic-governance/public/academic-policy/academic-
	integrity/Examination-and-assessmentsacademic-integrity.pdf

Research Integrity

Research integrity is about your research practices, how you present the findings of your research and how your research impacts on society and the wider world. At Imperial College London, you will work with internationally renowned academic staff who will guide you to design rigorous, robust, and reproducible research methods. This will ensure that your research is lawful and that any adverse impact your research may have on society, natural environment, or animals is justified and minimised. Research integrity is also about presenting the findings of your research in a responsible manner.

Imperial has adopted the Council for Science and Technology's Universal Ethical Code for Scientists and upholds its three principles, which are:

- Rigour, Honesty and Integrity
- Respect for Life, the Law and the Public Good
- Responsible Communications: Listening and Informing

The primary way to ensure research integrity is to promote and maintain a culture of honesty, openness and responsibility.

To support these principles, the Early Career Researcher Institute provides the training courses below, all accessible from its website.

 Plagiarism Awareness, mandatory training to be completed by the Early-Stage Assessment (ESA)

<u>Plagiarism Awareness (Doctoral Students) | Imperial students | Imperial College London</u> This online course was developed by the Early Career Researcher Institute, in conjunction with the Library. It aims to equip you with a working knowledge of the concept of plagiarism and how to avoid it. It also aims to provide you with information to enable you to use and share information ethically, with academic integrity and in accordance with Imperial's Academic Integrity Policy:

www.imperial.ac.uk/media/imperial-college/administration-and-support-services/registry/academic-governance/public/academic-policy/academic-integrity/Examination-and-assessmentsacademic-integrity.pdf
Imperial also requires doctoral students to submit their ESA through Turnitin. See dedicated student guidance here:
https://www.imperial.ac.uk/students/academic-support/graduate-school/guidance-for-students-and-staff/turnitin-guidance-for-students/

To accompany this, there is useful information about Plagiarism Issues in Theses which students are encouraged to read:

www.imperial.ac.uk/media/imperial-college/administration-and-support-
services/registry/academic-governance/public/academic-policy/research-degree-
examinations/Plagiarism-issues-in-theses.pdf

Copyright

This course aims to convey copyright essentials to Imperial PhD students. It is focused on UK law only. The structure of the course reflects your research lifecycle and aims to provide clarity on copyright issues you will encounter at each of the stages of the lifecycle. This course will equip you with a working knowledge of copyright and licensing so that in your career as a researcher you use and can share information in a copyright safe way.

www.imperial.ac.uk/students/academic-support/graduate-school/professional-development/doctoral-students/research-integrity/copyright-for-researchers-online-course/

Intellectual Property

This course aims to equip you with a working knowledge of the concept of Intellectual Property (IP), and an awareness and understanding of the basic principles surrounding IP rights, such as patents, copyright, design rights, and other forms of IP. An understanding of IP and its application is important for all students; for those intending to continue in academia as well as those intending to enter the commercial world after graduation:

www.imperial.ac.uk/students/academic-support/graduate-school/professional-development/doctoral-students/research-impact/intellectual-property-online-course/

Publishing Open Access: Your Research and Thesis

This workshop provides an insight into preparing your thesis to be made Open Access (OA) and the benefits of open access more generally. This workshop will provide you with a general introduction to the topic, with specific reference to your PhD thesis, and related research outputs that may arise from PhD study.

https://www.imperial.ac.uk/students/academic-support/graduate-school/professional-development/doctoral-students/research-impact/publishing-open-access-your-research-and-thesis/

Research Data Management

Data is a key research asset, underpinning almost all published research conclusions. In recent years, new technology has enabled us to:

- 1. Generate and record far more data than ever before; and
- 2. Share, reuse and combine that data in new ways to generate new insights.

Research data is increasingly a first-class research output, and a little bit of planning will enable you to take advantage of this shift.

This course will highlight the key considerations for students and researchers to help them assess when it is appropriate to share your data and how, and how to write a data management plan.

https://www.imperial.ac.uk/students/academic-support/graduate-school/professional-development/doctoral-students/research-integrity/research-data-management/

Research Data Management Plans

Research data is a key research asset and planning how to manage data outputs is increasingly becoming a requirement of applying for grants and funding. Having a data management plan will help you manage costs and responsibilities, keep your data safe and secure during the project and prepare your data for archiving and (where appropriate) sharing at the end of the project.

This webinar will introduce you to the online data management planning tool DMPonline and cover some of the more practical elements of creating a data management plan.



https://www.imperial.ac.uk/students/academic-support/graduate-school/professional-development/doctoral-students/research-integrity/research-data-management-plans/

The webinar is designed to accompany the **Information Landscape: Data Management** workshop. Prior attendance of that workshop is not mandatory but is recommended

Science, Research and Integrity

The workshop is designed to give researchers a chance to explore and critically analyse the ethics of scientific research in a constructive way. We will critically discuss the structure and implications of specific cases of scientific fraud, and will also look at different moral theories and how they might apply not only to specific moral dilemmas, but also to science in general. The session will aim to forearm you by providing a safe environment within which to formulate and articulate your views on how they might deal with the sorts of dilemmas you are likely to face during your careers..



https://www.imperial.ac.uk/students/academic-support/graduate-school/professional-development/doctoral-students/research-integrity/science-research-and-integrity/

The San Francisco Declaration on Research Assessment (DORA)

The College has signed the San Francisco Declaration on Research Assessment (DORA). The ethos behind DORA is to improve the ways in which the output of scientific research is evaluated by funding agencies, academic institutions, and other parties. The outputs from scientific research are many and varied, including: research articles reporting new knowledge, data, reagents, and software; intellectual property; and highly trained young scientists. Funding agencies, institutions that employ scientists, and scientists themselves, all have a desire, and need, to assess the quality and impact of scientific outputs. It is thus imperative that scientific output is measured accurately and evaluated wisely.

As such the College has signalled that it will assess research based on quality rather than where it is published, for example journal impact factor. The Early Career Researcher Institute promotes the ethos behind DORA at the following professional development workshops:

- Publications
- Becoming an effective researcher
- Finish Up Move On retreat
- Understanding impact and how to achieve it
- Bibliometrics and academic impact
- Preprints and open peer review

Academic Appeals Procedures

We have rigorous regulations in place to ensure assessments are conducted with fairness and consistency, claims for mitigating circumstances have been considered reasonably and in line with the regulations of the university, and that the decisions made at Early-Stage Assessment, Late-Stage Review or final thesis submission/viva maintain the integrity of our academic awards. Should you believe that you have grounds to appeal these decisions, we have laid out clear and consistent procedures through which appeals can be investigated and considered:

www.imperial.ac.uk/about/governance/academic-governance/academic-policy/complaints-appeals-and-discipline

The <u>ICU Advice service</u> can help you with understanding this policy and supporting you through the process.

Student Complaints

Imperial strives to ensure that all students are well supported in their studies and receive a good experience of their programme and the wider university activities. If you feel that your experience has not lived up to these expectations Imperial has an agreed Students Complaints process through which your concern can be investigated and considered.

If you have any concerns about your experience at Imperial and have been unable to address these informally, you should contact Student Complaints who can provide advice about what is the appropriate way to seek to resolve this at:



www.imperial.ac.uk/about/governance/academic-governance/academic-policy/complaints-appeals-and-discipline/

Student Disciplinary Procedure

Imperial has the right to investigate any allegation of misconduct against a student and may take disciplinary action where it decides, on the balance of probabilities, that a breach of the Student Code of Conduct has been committed. The general principles of the Student Disciplinary Procedure are available on the university website:

www.imperial.ac.uk/about/governance/academic-governance/academic-policy/complaints-appeals-and-discipline/

Copyright

Copyright is an automatic right given to creators that allows them to control who copies, adapts, translates and makes public their work. Unless you have the copyright holder's permission, you cannot do these things unless permitted by law or licence.

www.imperial.ac.uk/admin-services/library/learning-support/copyright-guidance/

The Early Career Researcher Institute provides training on Copyright:

<u> </u>	www.imperial.ac.uk/students/academic-support/graduate-school/professional-
<u></u>	development/doctoral-students/research-integrity/copyright-for-researchers-online-course/
Intel	lectual Property Rights Policy
Imperi	ial's Intellectual Property (IP) policy governs the ownership and management of universities
	ctual Property and its College's discretionary Reward to Inventors Scheme.
	er guidance on the Imperial Intellectual Property Rights Policy is available on the university
	www.imperial.ac.uk/research-and-innovation/research-office/research-policies/research-elated-policies/ip-policy-college-login/
Furthe	er information about the Imperial Enterprise Lab can be found at:
<u> </u>	www.imperial.ac.uk/students/enterprising-students
The Ea	arly Career Researcher Institute provides training on Intellectual Property:
	www.imperial.ac.uk/students/academic-support/graduate-school/professional-
	development/doctoral-students/research-impact/intellectual-property-online-course/
Use	of IT Facilities
View t	he Conditions of Use of IT Facilities:
	www.imperial.ac.uk/admin-services/ict/self-service/computers-printing/conditions-of-use-of-it-resources/
Emp	loyment During Studies
_	are studying full time, Imperial recommends that you do not work part-time during term time. If
-	unavoidable, we advise you to work no more than 10–15 hours per week, which should be
	pally at weekends and not within normal university working hours.
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Working in excess of these hours could impact adversely on your studies or health.

If you are here on a Student Route visa you can work no more than 20 hours a week during term time. Some sponsors may not permit you to take up work outside your studies and others may specify a limit.

www.imperial.ac.uk/students/international-students/visas-and-immigration/working-in-theuk/work-rules-during-your-studies/?

If you are considering part-time work during your studies you are strongly advised to discuss this issue with your supervisor or Senior Tutor (PGR). If you are on a Student Route visa you should also seek advice from the International Student Support team regarding visa limitations on employment.

Please note, PhD students are entitled to 25 days annual leave during the year. If your annual leave has been approved by your supervisor you may work full-time hours on those annual leave days. You may also work full-time during university Christmas and Easter closure period, and once all academic requirements have been completed (e.g. you have submitted your thesis including final corrections).

Please note that these rules also apply to your work as a GTA:

www.imperial.ac.uk/students/academic-support/graduate-school/working-as-a-gta/

Imperial's processes will not normally consider as mitigating circumstances any negative impact that part-time work may have had on your performance in your examination or in other assessments. Examinations or vivas cannot be rescheduled to accommodate your part-time working arrangements.

Study Leave

If you plan to carry out research away from Imperial for a period of 2 weeks or more as part of your PhD student registration, your department can approve study leave using the External Study Leave form (which is then submitted by your department to the Student Records team for recording).

Study leave is normally pursued either as a placement under the supervision of a third-party organisation (placements are managed by your department and are subject to Imperial Placement Learning Policy and Good Practice under the university's overall off-site working protocols) or fieldwork managed by your department under off-site working protocols. Contact your departmental postgraduate administrator for further guidance if you and your supervisor wish to have study leave considered.

www.imperial.ac.uk/placements/information-for-imperial-college-students/ (note: if you are
considering/planning a placement outside the UK you should also refer to the Placement
Abroad Handbook available on this page)

www.imperial.ac.uk/student-records-and-data/for-current-students/research-degrees/administration/

Ethics

Imperial has an overall Ethics code which sets out key behaviours which the university expects of all its members in order to facilitate a leading academic community which demonstrates integrity in all its activities, and which manages relationships with third parties appropriately. These behaviours include honesty, fairness and transparency. The Code is intended to provide a starting point to help members of the university identify and tackle ethical issues faced in the course of their activities. It also describes routes available for members of the Imperial community to escalate ethical concerns where appropriate.

www.imperial.ac.uk/research-ethics-committee

Good Research Conduct

Imperial is committed to undertaking research of the highest international quality within an intellectually challenging and inspiring environment, to extending the frontiers of research within and beyond existing research disciplines, and to bringing together research expertise within and beyond the university to address the science challenges of today and the future. Imperial's achievements in research are underpinned by the quality and expertise of the individuals within it, and the pages in the link below define the standards of research governance and integrity essential to the university's reputation and success.

www.imperial.ac.uk/research-and-innovation/about-imperial-research/research-integrity/

Leave

It is important to take a break from your research and Imperial has a PGR Annual Leave policy in place to support you.

Students should always agree their holiday arrangements with their supervisor in advance, taking operational considerations into account. No more than 8 weeks, including public holidays, may be taken in each year. The Senior Research Group Administrator should be notified.

If you are funded, you should check the terms and conditions of your studentship which will set out your annual leave entitlement. Unless otherwise stated in your terms and conditions, the College's position is that all research degree students, including international students with a Student Visa, are entitled to a minimum of 30 days to a maximum of 40 days per year (including public holidays and College closure days) of annual leave (pro rata for part-time students). This annual leave entitlement aligns with the UKRI's terms and conditions for training grants, student annual leave.

Read the policy here: <u>13343973 (blackboardcdn.com)</u>

www.imperial.ac.uk/media/imperial-college/study/graduate-school/PGR-student-leave-policy.pdf

General Data Protection Regulation (GDPR)

All staff and students who work with personal data are responsible for complying with GDPR. Imperial will provide support and guidance, but you do have a personal responsibility to comply.

In line with the above please see the university's Privacy Notice for Students which form part of the Terms and Conditions of registration with Imperial.

www.imperial.ac.uk/media/imperial-college/administration-and-support-services/registry/academic-governance/public/academic-policy/admissions/Privacy-Notice-for-Students-and-Prospective-Students.pdf

8. Wellbeing, support and advice

Student Support Zone

Student Support Zone has lots of information about the resources available at Imperial and beyond to help you to stay healthy and happy. It's a great place to start when you're looking for some support – it covers advice about housing and money, health, wellbeing and maintaining a good work-life balance, and provides the details of who you can contact if you need some extra support.



www.imperial.ac.uk/student-support-zone

Departmental Support and Faculty Senior Tutors

Your department has a system of academic and pastoral care in place to make sure you have access to the appropriate support throughout your time here. This includes:

Senior Tutor (PGR)

The Department's Senior Tutor (PGR) can offer pastoral support and advice. You can arrange to have a meeting with them at any time during your studies – what you discuss will be completely confidential.

If necessary, they will direct you to an appropriate source of support.



Dr Imad Jaimoukha

Room 617, Level 6, Department of Electrical and Electronic Engineering

020 7594 6190 (Ext. 46190)

i.jaimouka@imperial.ac.uk

Postgraduate Coaching and Research Degree Mediation

As well as professional development opportunities, the Early Career Researcher Institute has a dedicated coaching programme designed to help you through challenging times. The **Postgraduate student coaching programme** has been established to provide an opportunity to talk, independently from your academic department, about challenges you may be experiencing during the course of your studies. The programme primarily focuses on building effective working relationships and there may be other self-development issues that you can explore with a trained coach.

www.imperial.ac.uk/students/academic-support/graduate-school/wellbeing-and-support/coaching/

The Institute also provides support for students and supervisors who are finding their partnership difficult. The confidential and non-judgemental research degree mediation programme is designed to support students and supervisors to work through challenges they may be experiencing, to find ways to move forward and work together more effectively.

www.imperial.ac.uk/students/academic-support/graduate-school/mediation/

Advice Services

The tutor system is complemented by a university-wide network of advice and support. This includes a number of specialist services.

Careers Service

The Careers Service has strong links to your Department and with a range of employers. You can access group workshops, presentations, networking sessions and individual one-to-one appointments. The Careers Services is based at the South Kensington Campus on Level 5, Sherfield Building however services are offered across our campuses and online to help facilitate access.

Visit the Career Service's website to:

- Find resources and advice on successful career planning
- Book on to workshops and events
- Book a careers appointment



www.imperial.ac.uk/careers

Student Counselling and Mental Health

The Student Counselling and Mental Health Advice Service offers short-term counselling to all registered students. The service is free and confidential. Counsellors are available at the South Kensington, Hammersmith and Silwood Park Campuses.



www.imperial.ac.uk/counselling

Financial support and tuition fees

If you've got any questions about student financial support (loans, scholarships and research council studentships, US and Canadian loans) then contact the Student Financial Support team:



020 7594 9014



student.funding@imperial.ac.uk

If you suddenly find yourself in financial difficulties or experience an unexpected change in circumstances, you may be eligible to apply for emergency financial help through the Student Support Fund. The Fund offers a one-off payment of up to £2,000 to cover such emergencies as last-minute accommodation and travel necessities, equipment and childcare. It does not have to be repaid.



www.imperial.ac.uk/students/fees-and-funding/financial-assistance/student-support-fund/

For tuition fees queries, contact the Tuition Fees team:



020 7594 8011

tuition.fees@imperial.ac.uk

Imperial College Union Advice Service

Imperial College Union runs the Advice Service independently of the university with advisers on hand to provide free, confidential, independent advice on a wide range of welfare issues including housing, money and debt, employment and consumer rights, and personal safety. Contact the ICU Advice Service and complete the registration form to speak with a member of the team.

www.imperialcollegeunion.org/advice

Student Hub

The Student Hub brings together information on many of Imperial's key administrative services in one easily accessible place. The staff in the Hub can provide general advice and information on a wide range of aspects of student life at Imperial, including your student records and enrolment (letter of registration for proof of your student status, transcripts and awards), fees and finance, accommodation and international student queries. If your query needs specialist guidance, the Hub team will sign-post you to other university student support services as appropriate.

The Hub are on hand to answer your questions in person (at our desks in South Kensington and White City), by email, phone or online through the ASK Student Hub service.



Level 3, Sherfield Building, South Kensington Campus



020 7594 9444



student.hub@imperial.ac.uk



www.imperial.ac.uk/student-hub

Accommodation

Information and guidance around private housing and private halls for PG students is available from the Student Accommodation Office. Online you can find a Private Housing Masterclass that guides you through each step of your private housing search. The team also hosts private housing events, pop-ups and contract-checking services.



Level 3, Sherfield Building, South Kensington Campus



020 7594 3300



accommodation@imperial.ac.uk



www.imperial.ac.uk/students/accommodation/prospective/pg/



www.imperial.ac.uk/students/accommodation/private-accommodation/

Health Services

NHS Health Centre and finding a doctor

Even if you're fit and healthy we recommend that you register with a local doctor (GP) as soon as you arrive in London. For help finding your nearest GP see the Student Space website:

www.imperial.ac.uk/student-support-zone/your-health/doctor-and-dentist/

There is the Imperial College Health Centre on our South Kensington Campus which you may visit during clinic hours if you're feeling unwell. Students living within the practice catchment area are encouraged to register with the Centre.

www.imperialcollegehealthcentre.co.uk

NHS Dentist (based in the Imperial Health Centre)

The Imperial College Dental Centre offers a full range of NHS and private treatment options.

Disability Support

www.imperialcollegedental.co.uk/

Disability Advisory Service

The Disability Advisory Service provides confidential advice and support for all disabled students and students with specific learning difficulties.

If you think you may have a specific learning difficulty (such as dyslexia) or autism, but have never been formally assessed, the Disability Advisory Service offers initial screening appointments.

Room 566, Level 5, Sherfield Building, South Kensington Campus

020 7594 9755

disability@imperial.ac.uk

www.imperial.ac.uk/disability-advisory-service

Departmental Disability Officers

Departmental Disability Officers are the first point of contact within your department. They can apply for additional exam arrangements on your behalf, and will facilitate support within your Department.

Emma Rainbow

e.rainbow@imperial.ac.uk

+44 (0)20 7594 6198

Office 607 – Level 6, EEE Building.

More information on Departmental Disability Officers is available at:

www.imperial.ac.uk/disability-advisory-service/current-students/support-available/departmental-disability-officers/

More information on procedures for the consideration of additional exam arrangements in respect of disability is available at:



www.imperial.ac.uk/media/imperial-college/administration-and-supportservices/registry/academic-governance/public/academic-policy/exam-arrangements-and-resits/Exam-arrangements-in-respect-of-disability.pdf

Library and IT

Information and Communications Technologies (ICT)

If you're having problems with technology (including computers, laptops and mobile devices), you can get help from ICT's Service Desk.



020 7594 9000

www.imperial.ac.uk/ict/service-desk

Software shop

The Software shop offers a variety of general and subject specific software programs and packages for free or at a discounted price for Imperial students.



www.imperial.ac.uk/admin-services/ict/self-service/computers-printing/devices-andsoftware/

Library services

The Abdus Salam Library at South Kensington is open 24 hours for study space, and further space is available to all students in GoStudy on levels 4 and 5 of the Chemistry Building.

Make sure you find out who your subject librarian is as they'll be able to help you find books and online resources for your research. Also, don't forget to check out the campus libraries for access to specialist medicine and life sciences resources. You can borrow up to 40 books and, whether you're working on or off site, you'll be able to access e-books, e-journals and databases from their collection of over 567,000 titles. If they don't have what you need, they can get it for you, simply ask them to buy it or request a copy through their free Document Delivery service.

For any questions library staff will be happy to help, simply chat with them online or contact them via email, phone or social media, just check the website for details:



www.imperial.ac.uk/library

Centre for Academic English (CfAE)

The goal of the Centre for Academic English is to ensure you develop both the ability and the confidence to excel as a communicator during your doctoral research and beyond. From the very beginning of your research and all the way through, we're here to help you realise your potential.

To achieve this, we've designed a flexible academic STEMM communication programme for doctoral students. In the early stages of your research, you can join our sessions which provide the foundations of accurate and appropriate written communication for STEMM research. Our technical speaking courses provide you with practical training in successful oral communication, helping you prepare for early-stage presentations and your viva. By using our online resources you can create your own personalised self-study learning pathway. As you build your pathway, you'll have the freedom to select the communication resources you need whenever you need them.

<u>www.imperial.ac.uk/academic-english/</u>

Religious Support

The Chaplaincy Multi-faith Centre has chaplains from many different religions, as well as prayer rooms and information on places of worship. In addition, it runs meditation classes and mindfulness workshops for stress management.

www.imperial.ac.uk/chaplaincy

Support for International Students

International Student Support team

Students from outside the UK make up around half of our student population, so our International Student Support team offers year-round support to help our international students settle into Imperial life. This includes UK visa and immigration advice and trips to different places of interest.

www.imperial.ac.uk/students/international-students/

9. Student Administration

The Student Administration team are responsible for the administration and maintenance of the student records for all students studying at Imperial. This includes enrolments, programme transfers, interruption of studies, withdrawals and processing of examination entry for research degree students. The team also use this information to fulfil reporting duties to the Student Loans Company and Transport for London, as well as other external bodies.

The team are responsible for the processing of student results and awards on the student record system as well as the production and distribution of academic transcripts and certificates of award. The 'My Documents' online portal allows you to access your documents, including proof of enrolment and award documentation. You can then digitally share these documents with third parties such as an employer or university.

Each document has a unique QR code with the official university watermark, making it easier for employers and others to verify your credentials. This online document sharing is a legitimate service, introduced and authorised by Imperial.

We would like to encourage you to use this online service in place of paper-based documentation. You can access the 'My Documents' portal here:

www.imperial.ac.uk/student-records-and-data/for-current-students/request-an-officialdocument/

Student Records



+44 (0)20 7594 7268



student.records@imperial.ac.uk

Degree Certificates





+44 (0)20 7594 7267
certificates@imperial.ac.uk

10. Work-life balance

The pace and intensity of study at Imperial can be demanding so it's important to find time for outside interests.

Imperial College Union

The Union's range of 360+ student-led clubs, societies and projects is one of the largest of any UK university, opening up lots of ways for you to enjoy your downtime.

	www.imperialcollegeunion.org/about-us
	www.imperialcollegeunion.org/activities/a-to-z
Мо	ve Imperial
Imp	erial has a wide range of sports and activities on offer that cater for all experience levels and
abili	ties. We have a recreational activity offer, competitive sports teams and an elite sport

More information about Imperial student memberships and updates to our services can be found at:

programme. We are dedicated to ensuring we have a diverse, inclusive and exciting offer for all.

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For an annual fee you will get use of the gym and swimming facilities on our campuses. More information about Imperial student memberships and updates to our services can be found at:

www.imperial.ac.uk/sport

We have a huge collection of online resources, home workout videos, healthy recipes and playlists available to all as part of our Move More campaign, more information can be found at:

www.imperial.ac.uk/sport/get-active/move-more-programme/

Student feedback and representation 11.

Imperial and Imperial College Union are committed to continually improving your education and wider experience and a key part of this is your feedback. Feedback is thoroughly discussed by your student representatives and staff.

Student representation

Student Representatives are recruited from every department to gather feedback from students to discuss with staff. More information about the role, and instructions on how to become an academic representative, are available on the Imperial College Union website.

www.imperialcollegeunion.org/representation/a-to-z

Staff-Student Committee

Staff-Student Committees are designed to strengthen understanding and improve the flow of communication between staff and students and, through open dialogue, promote high standards of education and training, in a co-operative and constructive atmosphere. Imperial good practice guidelines for staff-student committees are available here:

www.imperial.ac.uk/about/governance/academic-governance/academic-policy/studentfeedback

The EEE Department Staff-Student Committee Meeting minutes and the committee membership can be found on this page:

http://www.imperial.ac.uk/electrical-engineering/study/current-students-coursehandbook/postgraduate-staff-and-student-committee/

This is an opportunity to make your feelings and views heard. The Committee meets once a Term and consists of representatives from each research group, the Director of Postgraduate Studies, the Postgraduate Tutor, and the PGR Officer. Issues that have been discussed at previous meetings include postgraduate training, introduction of new college regulations, provision of a postgraduate common room and social opportunities.

It is very important that the administration of the Department understands the views of its postgraduate community so please try to take an active part in this process.

Research Groups:

PhD representatives are elected by their fellow research students for each of the following research groups:

- Circuits and Systems
- Circuits and Systems (Centre for Bio-inspired Technology)
- Communications and Signal Processing
- **Control and Power**
- Intelligent Systems and Networks

Optical and Semiconductor Devices

12. Student Surveys

please visit:

Your feedback is important to your department, university and Imperial College Union. Whilst there are a variety of ways to give your feedback on your university experience, the following survey gives you regular opportunities to make your voice heard:

Postgraduate Research Experience Survey (PRES)

The PRES is your chance to tell us about a range of elements related to your student experience such as supervision, resources, research community, progress and assessment, professional development, and wellbeing. This is a national survey that helps us to compare how we are doing against other institutions, to make changes that will improve what we do in future and to keep doing the things that are valued by our students. The survey is open to postgraduate research students and runs across the spring and summer terms. PRES is run bi-annually at Imperial. The survey is confidential. The more you take part the more representative the results so please take a few minutes to give your views.

www.imperial.ac.uk/students/academic-support/graduate-school/community-development/pres/

If you would like to know more about any of these surveys or see the results from previous surveys,

You can read about the action Imperial has taken in response to the PRES here:

www.imperial.ac.uk/students/academic-support/student-surveys/pg-student-surveys

13. Professional Development Opportunities for Research Degree Students

Graduate Teaching Assistants (GTA)

Many research students across Imperial are involved with teaching, supervision and assessment (in the form of marking) of both undergraduate and Master's level students. Working as a GTA provides research students with an opportunity to broaden their experience at the university and develop further skills. These include learning to teach, convey complex technical concepts, writing/communication skills, etc. Furthermore, research students may find that acting as a GTA helps improve their own technical abilities (both theoretical and practical), enables them to broaden their knowledge base, and gain communication and task management experience. When considering a career in academia, teaching experience is important and GTA work allows building up a teaching portfolio and even becoming aware of one's own teaching style.

$\underline{www.imperial.ac.uk/staff/tools-and-reference/quality-assurance-enhancement/roles-and-responsibilities/}$
www.imperial.ac.uk/students/academic-support/graduate-school/working-as-a-gta/

Imperial Outreach

The Outreach team at Imperial is responsible for delivering the university's programme of activities for schools and colleges. The team deliver a wide range of exciting and inspiring activities for students from disadvantaged backgrounds right across the United Kingdom.

The team focuses on raising attainment, changing perceptions, supporting teaching staff and stimulating interest in STEM subjects from primary through to A-Level education, as part of Imperial's widening participation and outreach agenda.

By working with teaching staff, schools, colleges and community organisations they are able to offer support specifically where it is needed through a dedicated portfolio of programmes for young people. These programmes form part of the Imperial Access Agreement.

To make sure the team offer the fullest breadth of activities, they collaborate with many members of academic staff, as well as student ambassadors who add the valuable perspective of life as a current Imperial student.

www.imperial.ac.uk/be-inspired/schools-outreach/	

Recruitment and Outreach student ambassadors / Outreach STEM Leaders

Our ambassador and leader schemes provide you with an opportunity to work with young people to help inspire them to consider studying science, technology, engineering, mathematics and medicine.

Some activities will draw on your subject expertise, giving you the chance to communicate your research in a way that is suitable for a school age audience. Other opportunities may be more generally focused on your experience of higher education through talks about student life for sixth form students or mock interview sessions for potential applicants.

www.imperial.ac.uk/be-inspired/volunteering/outreach-student-ambassadors/
www.imperial.ac.uk/be-inspired/volunteering/outreach-stem-leaders/

Professional Skills Development Programme

The Early Career Researcher Institute at Imperial provides an internationally renowned and award-winning Professional Development Programme for Postgraduate Research and Postgraduate Taught students.

Funders of doctoral programmes, including governments, industry and research councils expect that you spend time on your professional development (RCUK, 2013), and developing generic research, personal and professional development is an important part of your postgraduate training.

Our Professional Development Programme offers you support in your study and research, as well as the opportunity to develop knowledge, attributes, and skills relevant to your doctorate and your future career whether inside or outside academia. These development opportunities can improve your ability to undertake focused and successful research, present your work to a variety of audiences, and enhance your overall experience at Imperial. Postgraduate alumni, academics and employers have noted the value of the programme.

We work across Imperial with academic and support departments, alumni, students and externals to enable and enhance joined up opportunities. This has a social benefit, fostering networking and collaboration, as our courses, events and activities provide for for students to interact with others from different departments and divisions.

The Postgraduate Development Unit (PDU) ensures that the Programme is educationally relevant, developing new initiatives and safeguarding quality and relevance. Our Programme is underpinned by educational research focused on the postgraduate student experience.

www.imperial.ac.uk/students/academic-support/graduate-school/

Alumni Services 14.

When you graduate you will be part of a lifelong community of over 250,000 alumni, with access to a range of exclusive benefits including:

- discounts on further study at Imperial and at Imperial College Business School
- an alumni email address
- networking events
- Library membership and access to a bank of online resources, webinars and events via our alumni platform Imperial Plexus
- careers support for up to three years after you graduate as well as networking opportunities and professional development events
- access to our Alumni Visitor Centre at the South Kensington Campus, a co-working community space with free Wi-Fi, a bookable meeting room and complimentary refreshments

Visit the alumni website to find out more about your new community, how to access your benefits, and how to get in touch with fellow alumni around the world.

www.imperial.ac.uk/alumni