Chow Yei Ching
School of Graduate Studies

香港城市大學
City University of Hong Kong

Admissions Handbook

Research Degree Programmes

2021 Entry

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The information contained in this Handbook is correct at the time of publication in August 2020. Please note that there may be changes to the information from time to time without prior notification. Applicants may contact the Chow Yei Ching School of Graduate Studies if they have any queries.

This Handbook is provided for information and to facilitate research degree applications and does not form part of a contract between any person and the University.

Contents

1   INTRODUCTION

1.1   *City University of Hong Kong*

Established in 1984, City University of Hong Kong is a modern, hi-tech institution committed to providing a quality learning environment for its students and the community. The University currently has a student enrolment of over 20,700 (excluding sub-degree students), of which over 7,780 are postgraduates. Its programmes provide a wide range of learning opportunities from undergraduate and postgraduate studies to continuing education. For more information about the University and its academic and supporting units, please visit our website (http://www.cityu.edu.hk)

The University provides a modern teaching and learning environment with the latest design in educational technology to support quality teaching and research activities. Moreover, a wide range of facilities and services are provided to support students' studies and recreational activities. Students' halls (http://www.cityu.edu.hk/sro/) are also available on campus to provide students with residential accommodation and an avenue for academic and cultural exchange. The University also has an official postgraduate student body, namely, CityU Postgraduate Association, with its membership covering both research and taught postgraduate students. The Association serves as a communication channel between postgraduate students and the University. More information about the Association is available at: http://www.cityu.edu.hk/cupa.

1.2   *Chow Yei Ching School of Graduate Studies*

Postgraduate education facilitates the advancement of knowledge and provides high-level academic education and professional training to cater for the society's needs. The University continuously strives to promote this important area of postgraduate education. Taught postgraduate programmes are offered for different professional needs. On the research study side, diverse areas of study are provided to suit individuals' research interests.

To provide a better focus for the further development of its postgraduate programmes, the University established the School of Graduate Studies (SGS) in 1994. SGS coordinates and offers strategic direction to the University's taught and research postgraduate provision. The School aims to provide better coordination and strategic direction to ensure the continued development of postgraduate studies at the University. The School is committed to providing an environment conducive to learning for postgraduate students. Its principal role is to facilitate the educational experience of its postgraduate students.

The School received a generous donation from Dr. Chow Yei Ching, and was named the "Chow Yei Ching School of Graduate Studies" in 2006.

Mission of SGS

The mission of SGS is to promote excellence in postgraduate education and ensure consistency and high standards across the University. Sharing responsibility for postgraduate studies with departments, colleges and schools, and operating through a system of collegial governance, consultation and leadership, SGS defines and administers university-wide regulations for postgraduate education.

SGS also organizes services and financial assistance to postgraduate students; encourages a close relationship between research and graduate training; and represents the foundation of postgraduate education at CityU in the wider academic and general community.

Administrative Structure of SGS

The Dean and Associate Dean of Graduate Studies oversee the School and the coordination and management of postgraduate education within the University. They provide academic guidance for programme development, planning and decision making in the School. As Chair of the Board of Graduate Studies, the Dean of Graduate Studies plays a role in managing the quality of postgraduate programmes. He is supported by the Associate Dean in overseeing quality matters related to postgraduate programmes through the Committee on Taught Postgraduate Programmes and the Committee on Research Degrees Candidature.

The Director (Graduate Studies Administration) and a team of administrative staff provides overall administrative support for postgraduate studies, including student admissions and records, financial support; study and research progress, examinations and graduation; student forums and workshops; research conferences and seminars; student statistics as well as publications relating to postgraduate studies.

Governance, Leadership and Quality

A Board of Graduate Studies was established to review and make recommendations on the Academic Regulations, rules and procedures governing all postgraduate programmes and studies. It has a role to develop, implement, monitor and review policy pertaining to postgraduate work. The Board of Graduate Studies reports to Senate on matters relating to postgraduate teaching and learning.

There are two sub-committees under the Board of Graduate Studies, namely the Committee on Taught Postgraduate Programmes (CTPP) and the Committee on Research Degrees Candidature (CRDC). The CTPP oversees matters related to taught postgraduate programmes as assigned by the Board of Graduate Studies, while the CRDC oversees the admission, supervision, progress and examination of candidates for the MPhil, PhD and professional doctorate programmes.

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2 ADMISSIONS

2.1 *Minimum Entrance Requirements*

2.1.1 Applicants seeking admission to a research degree programme should satisfy the following minimum entrance requirements:

(a) Master of Philosophy (MPhil)

- hold a relevant bachelor's degree with first or second class honours (or equivalent qualification) from a recognised university.

(b) Doctor of Philosophy (PhD)

- be a current MPhil student in the University who seeks transfer to PhD candidature; or
- hold a higher degree by research (or equivalent qualification) from a recognised university; or
- hold a Master's degree (or equivalent qualification) from a recognised university; or
- hold a Bachelor's degree with first class honours (or equivalent qualification) from a recognised university.

2.1.2 Equivalent qualifications mentioned above include relevant professional qualifications or other scholarly achievements recognised by the University.

2.1.3 In addition to the above, individual Departments and Schools may prescribe further entrance requirements.

2.2 *English Proficiency Requirements*

2.2.1 Applicants from an institution where the language of teaching is not English should satisfy the minimum English proficiency requirements specified by both the University and individual Colleges and Schools. The University's minimum English proficiency requirement for research degree programmes is a total score of 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test; sum of Reading, Listening and Writing section scores) in the Test of English as a Foreign Language (TOEFL) OR an overall band score of 6.5 in the International English Language Testing System (IELTS). Equivalent qualifications are also acceptable. TOEFL and IELTS scores are considered valid for two years from the test date and must be valid at the time of submission of application.

2.2.2 In addition to the University's requirement as given above, individual Colleges and Schools have set a higher standard, or equivalent acceptable qualifications, suitable for their disciplines as follows:

(a) College of Business
- a minimum total score of 563 (paper-based test); or 85 (internet-based); or 62 (revised paper-delivered test; sum of Reading, Listening and Writing section scores) in TOEFL; or
- a minimum IELTS score of 6.5; or
- other test scores that may be regarded as equivalent to TOEFL 563 (paper-based test); or 85 (internet-based test); or 62 (revised paper-delivered test).

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(A high score in GRE or GMAT with supporting proof will be an added advantage though this is not a mandatory requirement. Please note that individual Departments in the College may adopt a higher standard.)

(b) College of Engineering
- a minimum total score of 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test; sum of Reading, Listening and Writing section scores) in TOEFL; or
- a minimum overall band score of 6.5 in IELTS; or
- other test scores that may be regarded as equivalent to TOEFL 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test); or
- a minimum score of 490 in the Chinese mainland's College English Test Band 6 may be accepted.

(Please note that individual Departments in the College may adopt a higher standard.)

(c) College of Liberal Arts and Social Sciences
- a minimum TOEFL* score of 79 (internet-based test), with a minimum of 15 for Reading, 15 for Listening, 21 for Writing, and 18 for Speaking; or
- a minimum IELTS overall band score of 6.5, with a minimum of 6 for each of the sub-categories including Listening, Reading, Writing and Speaking

TOEFL Paper-based test (before October 2017) and Paper-delivered test (after October 2017) will not be accepted as there is no Speaking component.

(Please note that individual Departments in the College may adopt a higher standard.)

(d) College of Science
- a minimum total score of 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test; sum of Reading, Listening and Writing section scores) in TOEFL; or
- a minimum overall band score of 6.5 in IELTS; or
- other test scores that may be regarded as equivalent to TOEFL 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test); or
- a minimum score of 490 in the Chinese mainland's College English Test Band 6 may be accepted.

(Please note that individual Departments in the College may adopt a higher standard.)

(e) Jockey Club College of Veterinary Medicine and Life Sciences
- a minimum total score of 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test; sum of Reading, Listening and Writing section scores) in TOEFL; or
- a minimum overall band score of 6.5 in IELTS; or
- other test scores that may be regarded as equivalent to TOEFL 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test); or
- a minimum score of 490 in the Chinese mainland's College English Test Band 6 may be accepted.

(Please note that individual Departments in the College may adopt a higher standard.)

(f) School of Creative Media
- a minimum total score of 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test; sum of Reading, Listening and Writing section scores) in TOEFL; or
- a minimum IELTS score of 6.5; or

- other test scores that may be regarded as equivalent to TOEFL 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test).

(g) School of Data Science
- a minimum total score of 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test; sum of Reading, Listening and Writing section scores) in TOEFL; or
- a minimum overall band score of 6.5 in IELTS; or
- other test scores that may be regarded as equivalent to TOEFL 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test); or
- a minimum score of 490 in the Chinese mainland's College English Test Band 6 may be accepted.

(h) School of Energy and Environment
- a minimum total score of 550 (paper-based test); or 79 (internet-based test); or 59 (revised paper-delivered test; sum of Reading, Listening and Writing section scores) in TOEFL; or
- a minimum IELTS score of 6.5; or
- other test scores that may be regarded as equivalent to TOEFL 550 (paper-based); or 79 (internet-based); or 59 (revised paper-delivered test).

(i) School of Law
- a minimum total score of 595 (paper-based test); or 97 (internet-based test); or 70 (revised paper-delivered test; sum of Reading, Listening and Writing section scores) in TOEFL or
- a minimum overall band score of 7 in IELTS; or
- a score of 520 in the Chinese mainland's College English Test Band 6.

(TOEFL and IELTS scores are considered valid for two years from the test date and must be valid at the time of submission of application. CET scores should be obtained within three years immediately preceding an application to the School of Law.)

2.3   *Application Period*

2.3.1   Applications are accepted throughout the year and will be considered mainly in one admission round. The application deadline for 2021 entry is 1 December 2020 and the application results will be announced in early March 2021.

2.3.2   Final-year undergraduate and postgraduate students who are expected to complete their studies in 2021 can also apply in the above admission round; a conditional offer may be granted to suitable applicants.

2.4   *Application Procedures*

2.4.1   Applications for admission should be made online at our website (http://www.cityu.edu.hk/sgs/rpg/admission).

2.4.2   To apply for admission to a research degree programme, applicants are required to perform the following:

(a)   complete an online application form; and

(b)   pay application fee online; and

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(c) upload the image of the following supporting documents through the online application system:

    (i) **official certificates and transcripts of academic qualifications** (Certificates and transcripts that are not in English should be accompanied by a formal certified translation in English.) [Applicants who obtained degrees from institutions that gave degree classification and/or grade point average but are not shown in the certificate or transcript are required to also send copies of any other official documents that indicate their formal degree classification or grade point average.]

    (ii) **certificates of professional qualifications,** if applicable (Certificates that are not in English should be accompanied by a formal certified translation in English.)

    (iii) (in support of the applicant's publication record, if applicable) **the front page of the papers** (for papers that have been published) or **the letter of acceptance** (for papers that have been accepted for publication). [Applicants to the School of Law must also submit a self-assessment (of not more than 400 words) of their publications together with full copies of their best three publications. Where any publication is submitted in a language other than English, it must be accompanied by an abstract in English.]

    (iv) **international English language test results**, if applicable (see pages 3-5). [For TOEFL results, applicants may send in a copy of their score record or arrange with the TOEFL service centre to send the record directly to the University (Institution Code: 3401).]

    (v) For applicants applying for admission to the following College/School, **a research proposal/statement** with clear objectives and proposed methodology is required. Please refer to the respective guidelines for preparing a research proposal/statement given in Appendices 1, 2, 3 and 4:
- College of Liberal Arts and Social Sciences
- School of Creative Media
- School of Energy and Environment
- School of Law

(d) nominate two academic referees who can comment on their academic performances (proposed supervisor and persons from non-academic circles are normally not acceptable as academic referees).

For applicants applying for regular PhD/MPhil study, CityU will invite the nominated referees by email directly to complete an online Referee's Report on you and submit it via an online platform.

For applicants who are applying for PhD study through Hong Kong PhD Fellowship Scheme, they are required to download and send the HKPFS-specific Referee's Report Form (available at http://www.cityu.edu.hk/sgs/ → "Prospective Students" → "Download") to the nominated referees for completion. Academic referees will be invited to return the completed reports directly to the Chow Yei Ching School of Graduate Studies by mail, by fax or *via* email under confidential cover.

2.4.3 Please note that incomplete submission may delay the processing of the application.

2.4.4 Applicants are strongly advised to discuss their proposed research area with the relevant coordinator (see pages 24-26) before submitting an application.

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2.4.5   Shortlisted applicants will be required to present himself/herself for an admission interview to assess their research potential and English language ability.

2.4.6   To facilitate verification of academic qualifications, students admitted onto research degree programmes may be required to arrange for the relevant institutions to send the University an original copy of their official transcript for the bachelor's and/or postgraduate degree(s) they have obtained.

2.4.7   CityU staff seeking admission to a research degree programme should follow the normal admission procedures. Full-time academic staff, Teaching Fellows and Instructors of the University are not allowed to pursue a research degree in their own Department/School under the supervision of colleagues from the same Department/School.

2.5   *Funding Sources of Support for Research Studies*

Research studies can be undertaken on a government-funded or a self-financing basis, subject to the availability of student quota and funding. Qualified full-time candidates admitted to a research degree programme will be considered for postgraduate studentship supported by government fund or external funds. The application procedures, entrance and English proficiency requirements, and programme requirements for these two types of students are the same. Applicants should indicate their intention to pursue government-funded or self-financing studies in their application form.

Tuition fee levels and entitlement to financial awards and services are different for these two types of students, reflecting the different sources of funding. Government-funded students are required to pay tuition fees at a rate set by the government. Quotas for government-funded places for each university in Hong Kong are also set by the government. As self-financing places are not subsidised, these students are required to pay a higher level of tuition fees. In addition, self-financing students are not eligible to apply for financial awards (e.g. postgraduate studentships, research tuition scholarships, conference grants, etc.) financed by government funds.

Applicants who have not obtained a research master's degree or a master's degree with a thesis/project/dissertation before admission are admitted for direct entry to 4-year PhD studies. The funding support can be on UGC-funded basis, self-financing basis, or a combination of both. Applicants are advised to contact the Department/School concerned for details of financial arrangements.

2.6   *Application Fee*

2.6.1   A non-refundable application fee of HK$200 will be charged for each online application. Settlement of the application fee shall be made via online credit card payment.

2.6.2   Applications will not be processed if the payment of the application fee has not been settled.

2.7   *Acceptance Fee*

2.7.1   To accept an offer of admission to the University, an applicant is required to pay an acceptance fee upon acceptance of admission offer. Candidates who fail to pay the acceptance fee by the stipulated deadline will have their admission offer relinquished.

2.7.2   The acceptance fee is non-refundable or transferable, except under the following circumstances:

(a)   when the applicant fails to meet the condition(s) for admission offer resulting in a withdrawal of offer by the University; or

(b)   when the applicant subsequently accepts another offer of an award programme of the University in the same semester/term of admission and has paid the relevant acceptance fee; or

(c)   when the programme for which an offer is made is subsequently cancelled by the University.

2.7.3   An acceptance fee, irrespective of student's study mode and funding source, is set in multiples of two times the monthly UGC full-time tuition fee. The rate for 2021/22 is HK$7,016.

2.7.4   The acceptance fee will be credited towards the monthly tuition fee payable upon students' enrolment in the University. Waiver or deferral of payment of acceptance fee will not be entertained.

2.8   *Use of Application Information*

2.8.1   The information provided in the application form will be used for the following purposes:

(a)   as a basis for various types of processing in relation to your application;

(b)   as a basis for selection of applicants for admission to research degree programmes offered by the University and for other relevant or related purposes;

(c)   for identifying multiple applications and checking records of academic/professional qualifications with the parties concerned; and

(d)   for transferring information to the student records system of the University, if and when the application is successful.

2.8.2   For non-local candidates who need to apply for a student visa/an entry permit for the purpose of studying in Hong Kong, a copy of their academic transcripts and certificates may be sent, on request, to the parties concerned for processing the visa/entry permit application.

2.8.3   Any false information and misrepresentation will result in disqualification of the applicant for admission to the University.

2.8.4   In accordance with the Personal Data (Privacy) Ordinance, applicants have the right to access all personal information relevant to their application and the right to correct the personal information contained in the application form. To obtain more details about this, please write to the School.

2.9   *Change of Contact Information after Submission of Application*

Please inform the School immediately in writing or through e-mail (sg@cityu.edu.hk) of any changes to your correspondence address and contact phone number during the application period. In the notification, please state clearly your name and online application reference number.

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2.10   *Applicants with Physical or Other Disabilities*

The admission of an applicant to a programme is based on academic criteria and any other entrance requirements specified by individual Departments and Schools. Applicants with physical or other disabilities can choose not to declare their disability at the application stage. Such applicants, however, are advised to select programmes with which they are physically able to cope. If they have any queries in this regard or wish to have information on facilities available for people with disabilities generally, they should consult the relevant coordinator (see pages 24-26).

2.11 *Enrolment*

2.11.1 Applicants on being informed of acceptance must pay the required fees and register in person with the School within the prescribed period. Those who fail to do so will be deemed to have declined the offer.

2.11.2 Upon registration, students are required to produce for verification the original copy of the supporting documents for qualifications claimed in the application form.

2.11.3 The start date of study is normally the first day of September to fit with the beginning of an academic year. (The School may approve other starting dates, which will be the beginning of Semester B or the first day of a month, if so recommended by the supervisor.)

2.11.4 Non-local students should inform the School of the expected arrival date immediately after the approval of their student visa/entry permit.

2.11.5 Students are not allowed to register simultaneously in another programme of study in the University or in any other institution without the prior permission of the School. This also applies to students who are interrupting their studies or on study leave.

2.11.6 Full-time students are not allowed to undertake paid employment without the prior approval of the School.

2.12 *Enquiries*

For further information, please contact the Chow Yei Ching School of Graduate Studies:

Telephone:	(852) 3442-9076
Fax:	(852) 3442-0332
E-mail:	sg@cityu.edu.hk
Website:	http://www.cityu.edu.hk/sgs/rpg/admission
By mail:	Chow Yei Ching School of Graduate Studies
	(Research Degree and Professional Doctorate Programmes)
	City University of Hong Kong
	Tat Chee Avenue
	Kowloon
	Hong Kong

3   RESEARCH AREAS FOR MPHIL/PHD PROGRAMMES

The University offers research degree studies in a wide range of research areas and places strong emphasis on research postgraduate education in professional fields. In the 2016-2019 triennium, the University has identified the following thirteen research areas of demonstrated strength (critical mass, staff and student publications, research grants and awards):

- Accountancy, Economics and Finance
- Applied Mathematics
- Business and Management (Big Data, Knowledge and Innovation, and Healthcare)
- Chinese, Comparative and Commercial Law
- Computer Science
- Electrical Engineering
- Environmental Science, Energy and Built Environment
- Global China Studies (Business, Language, Law, Society)
- Language, Communication and Creative Media
- Life Sciences (Biomedical Science, Molecular Science) and Biomedical Engineering
- Materials Science and Applied Physics
- Mechanical Engineering and Sustainable Manufacturing
- Policy and Administration

The University also promotes and encourages interdisciplinary research in order to synergise our expertise and research strengths. Research degree studies at CityU are offered in five Colleges and four Schools covering a wide range of strategic areas to suit individuals' research interests.

3.1   *College of Business*

We aim to be a globally-oriented business school, producing innovative and impactful business knowledge, and nurturing leaders for a sustainable future: a key business education hub — in China for the world. The College of Business is internationally accredited by AACSB International and EQUIS. According to the latest UTD World Rankings of Business Schools, the College is also ranked 36th worldwide and 3rd in Asia based on its research contributions in 2015-2019. With a team of about 200 faculty members recruited from around the world, the six academic departments in the College will admit and nurture research students in a diverse range of inter-disciplinary research areas. Our demonstrated strength and international competitiveness in some main research areas are listed below.

Department of Accountancy

Research in accounting covers a broad spectrum of issues in the areas of financial accounting, auditing, and corporate governance. The major foci in the department include: **(1)** various accounting issues related to **Debt Contracting** such as debt covenant violation, debt monitoring, credit quality assessment and the **Credit Market** in general and **Credit Pricing** in particular (particularly the market for credit instruments such as credit default swaps); **(2) Corporate Governance** and **External Monitoring** issues in the China, US, and international settings as they relate to ownership structures, institutional infrastructures, legal regimes, information environments; **(3) Fraud Detection** and **Tax Avoidance** issues such as financial restatement and accounting and auditing enforcement by regulators such as the SEC and/or the CSRC and economic consequences of corporate tax avoidance, economic consequences of internal control reporting, accounting quality versus credit quality, tax complexity and tax compliance; **(4) Accounting Disclosure** issues such as disclosure and audit quality, earnings management, accounting conservatism, voluntary disclosures or management earnings guidance, and audit pricing.

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Department of Economics and Finance

Economics research expertise of the Department includes: **(1) International Economics**: Trade Policy; Intellectual Property Protection; FDI and Global Sourcing; International Migration; International Financial Crises; Exchange Rate Economics; Purchasing Power Parity; Capital Mobility; Globalization; **(2) Microeconomics**: Auction Theory; Mechanism Design; Experimental Economics; Game Theory; Industrial Organization;; Contract Theory; Political Economy; **(3) Macroeconomics**: Business Cycles; Endogenous Growth; Structural Change; Fiscal and Monetary Policy; Real Estate and Urban Economics; Labor Economics; Consumer Credit; and **(4) Econometrics:** Econometric Theory; Economic Forecasting; Bayesian Econometrics.

Finance research expertise includes: **(1) Corporate Finance**: Capital Structure; Payout Policy; Capital Raising; Real Investment; Firm-bank Relationship; Mergers and Acquisitions; Restructuring; Hedging; Corporate Governance and Control; **(2) Asset Pricing**: Equilibrium Asset Pricing; Equity Return-risk Relationship; Term Structure of Interest Rates; Derivatives Pricing; Financial Engineering; and **(3) Investments and Capital Markets**: Financial Investments; Market Microstructure; Anomalies; International Financial Management; Financial Services and Intermediation; Fund Management; Credit Risk Management.

Department of Information Systems

The Doctor of Philosophy Program in Information Systems develops scholars who can draw on the concepts and methods of information technology, organizational behavior and strategy, and economics in conducting research on complex issues arising from the design, application and management of information systems in organizations. Particular emphasis is placed on the links between theory and practice and upon the practical application of innovative information systems methods and techniques to business and organizational problems for firms operating within a global business environment. The research methodologies employed range from behavioral methods (both qualitative and quantitative), technical modelling to econometrics. Main areas of research include **(1) Knowledge and Innovation Management**; **(2) Electronic/Mobile Commerce**; **(3) Online Social Networks**; **(4) IS related policy and economic analysis**; **(5) Healthcare; (6) Cyber Security**; **(7) Big Data**; and **(8) Financial Information Services**.

Department of Management

Research foci/expertise in the Department include: **(1) Organizational Behaviour**: Leadership; Motivation; Creativity and Proactivity; Citizenship and Counterproductive Work Behaviour; Conflict Resolution and Negotiation; Risk and Uncertainty Management; Ethics; Organizational Justice; Work Stress; Emotions; Job Attitudes; Team Dynamics; Cross-Cultural Management; Organizational Change; **(2) Human Resources Management**: Strategic Human Resource Management; Recruitment & Selection; Training & Development; Selection and Assessment; **(3) Entrepreneurship and Innovation Management**: New Venture Creation and Management; Venture Capital Firm; IPO; New Product Management; Innovation and Creativity; **(4) International Business**: Internationalization Strategy; International Entry Modes; MNC Control and Staffing; Intercultural Communication; Comparative Management; Culture and Cognition, Cross-Cultural Research Methods; **(5) Strategic Management**: Corporate Strategy; Corporate Governance; Competitive and Cooperative Strategy; Strategies in Emerging/Transition Economies; Decision-Making; Mergers and Acquisitions (M&A); Top Management Teams; **(6) Corporate Social Responsibility**: Business Ethics; Stakeholder Management; Corporate Social Responsibility.

Department of Management Sciences

Research expertise in the Department can be grouped into two streams: (1) Operations research and operations management in a broad sense, including specific areas such as healthcare management, inventory management, revenue management, financial engineering, sustainable operations, supply chain and logistics management, and interdisciplinary research between operations and risk management/marketing/finance/accounting; (2) Business analytics in a board base sense, including big data analytics, data mining, econometrics, credit risk management, optimization, simulation/decision models, marketing analytics, healthcare analytics, and market research.

Department of Marketing

Research foci/expertise in the Department include: **(1) Business Markets**: marketing channels, interfirm governance, relationship marketing, network theory; **(2) Strategic Marketing and International Business**: international strategic alliance, foreign direct investment, global sourcing strategy, knowledge management, organizational learning; **(3) Internet Marketing**: online consumer behaviour, online advertising, online gaming, social media, and online retailing; **(4) Consumer Behaviour**: psychological, social and cultural aspects of consumer behaviour; **(5) Quantitative Marketing and Marketing Modelling**.

3.2 *College of Engineering*

The College comprises eight academic units providing quality education programmes with an emphasis on interdisciplinary studies: Architecture and Civil Engineering; Biomedical Engineering; Computer Science; Electrical Engineering; Materials Science and Engineering; Mechanical Engineering; Systems Engineering and Engineering Management; and Building Science and Technology.

The College has a strong international reputation in research, as evidenced by recent international rankings:

Academic Ranking of World Universities (ARWU) – by subjects (2019)
- Automation & Control: 14th
- Biomedical Engineering: 25th
- Civil Engineering: 51st –75th
- Computer Science & Engineering: 41st
- Electrical & Electronic Engineering: 51st -75th
- Instruments Science & Technology: 39th
- Materials Science & Engineering: 51st –75th
- Mechanical Engineering: 76th –100th
- Metallurgical Engineering: 29th
- Nanoscience & Nanotechnology: 47th hsbc
- Telecommunication Engineering: 15th
- Transportation Science & Technology: 51st –75th

Quacquarelli Symonds (QS) World University Rankings
Worldwide: 52nd (2020)

By subjects (2019)
Top 100 in:
- Architecture / Built Environment
- Computer Science & Information Systems
- Civil & Structural Engineering
- Electrical and Electronic Engineering

- Materials Science
- Mechanical, Aeronautical & Manufacturing Engineering

<u>Performance Ranking of Scientific Papers for World Universities by National Taiwan University Ranking (2019)</u>
By fields - Engineering
- Hong Kong : 1st
- Worldwide: 21st

<u>U.S. News and World Report University Rankings (2019)</u>
- City U is ranked 1st in Best Global Universities for Engineering and for Computer Science in Hong Kong.

Furthermore, the remarkable achievements of the College are exemplified by the State Key Laboratory of Millimeter Waves, the Chinese National Engineering Research Center: Hong Kong Branch of National Precious Metals Material Engineering Research Center, and a number of research centres in Nano-organic Functional Materials and Devices, Chaos and Complex Networks, Robotics and Automation etc.

Department of Architecture and Civil Engineering

Research expertise in the Department mainly focuses on Built Environment which includes: **(1) Civil Engineering (including Structural, Geotechnical Engineering and Construction Engineering Management)**: Computational mechanics; Engineering mechanics; Nano-mechanics; Composite structures; Wind engineering; Hydrology; Environmental engineering; Seismic response and disasters; Structural integrity and diagnosis; Construction materials; Experimental soil mechanics; Micromechanics of soils; Machine learning and data analytics in geotechnical engineering; Geotechnical risk; Reliability and uncertainty; Landslides; Infra-structural engineering; Transportation; Pedestrian flow; Construction Engineering Management. **(2) Architectural Engineering**: Building systems and facilities management; Energy, natural and artificial lighting; Thermal comfort, indoor and regional air quality; Building sustainability; Fire safety engineering, Evacuation. **(3) Architecture:** Construction and land economy; Architectural design, history, theory, ecology and technology; Landscape architecture. **(4) Surveying and Urban Planning:** Building information modelling; Building contracts and laws, and Disputes and resolutions; Real estate development, Urbanism, urban design and planning.

Department of Biomedical Engineering

The Department offers BEng, MSc and MPhil/PhD degrees in Biomedical Engineering. Research areas of the Department include: **(1) Biomedical Imaging and Bioinstrumentation**: Advanced biophotonics and novel imaging systems, Image analysis and image-guided interventions, Bioinstrumentation for imaging, disease diagnosis, and therapeutics. **(2) Cell and Tissue Engineering**: Micro/nanotechnology for cellular engineering, Biomaterial design and engineering for regenerative medicine, drug delivery and nano-medicine, Biomechanics and mechanobiology. **(3) Robotics and Artificial Intelligence for Biomedical Applications**: Bio/medical robotics and control systems, Artificial intelligence for biomedical applications. **(4) Biosensors and Health Informatics**: Biosensor and largescale biomedical data, Machine learning facilitated biomedical clouds/service, integrative microfluidic platform for precision medicine, and wearable/smart materials for healthcare.

Department of Computer Science

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Research focus and expertise in the Department include: **(1) Multimedia Computing:** Computer Vision; Computer Graphics; Audio Analysis; Speech Processing; Natural Language Analysis; Computer Games; Virtual Reality; Augmented Reality; Mixed Reality; Medical Imaging; Image

Processing; Image and Video Coding; Human Motion Analysis; Perception, Neuroscience and Brain Informatics; Multimedia Analytics; Multimedia Information Retrieval; Wearable Computing; Social Media; Mobile Media; Pen Computing; Human Computer Interaction; Multi-modal Data Fusion; **(2) Computer Systems and Security:** Information Security; Cloud Computing; Internet of Things (IoT); Mobile Computing; Distributed Algorithms and Systems; Data Center Networks; Cyber-Physical Systems; Vehicular Networks; Sensor Networks; Wireless Security; Wearable Sensing; Traffic Estimation; Urban Computing; **(3) Applied Algorithms:** Bioinformatics; Data and Internet Security; Equilibrium Algorithms; Scheduling; Applied Cryptography; Algorithmic Game Theory; Heuristics; Blockchain; Cryptocurrency; **(4) Artificial Intelligence and Big Data Analytics:** Knowledge Management; Data Science; Big Data Analytics; Machine Learning; Artificial Intelligence; Database; Optimization; Text Mining; Information Retrieval; Semantic Object Modeling; Data Mining; Data Warehousing; Multimedia Data Indexing; XML and Interoperability; Workflow and Web Services; Recommender Systems; Sentiment Analysis; Deep Learning; Generative Models; Supervised Learning; Semi-supervised Learning; Unsupervised Learning; Neural Networks; **(5) Systems, Software Engineering and Internet Applications:** Internet Applications; Embedded Systems; Parallel Architecture; Real-time Systems; Software Engineering; E-commerce; E-learning; Innovative Technology for Education; Programming Languages and Systems; Empirical Software Engineering; Software Data Analytics; Software Quality; System Modelling; Software Defect Prediction; Software Effort Estimation; Software Testing; Software Project Management; Machine Learning in Software Engineering; Decentralized Application; Program Debugging; Intelligent Transportation Systems; Storage Systems; **(6) Evolutionary Computation:** Multiobjective Optimization; Swarm Intelligence; Multi-agent Evolutionary Optimization; Neurodynamic Optimization; Intelligent Control; Intelligent Marine Vehicles; Decomposition Based Algorithms; Computational Intelligence; Fuzzy Systems.

Department of Electrical Engineering

The Department offers research degree studies in a wide range of research areas which include **(1) Applied Electromagnetics**: antenna theory and design; millimetre-wave devices and circuits; terahertz science and technology; computational electromagnetics; and electromagnetic compatibility; **(2) Optoelectronics, Electronics, Nanotechnology and Biosystems**: fiber and integrated optics; plasmonics/metasurfaces; semiconductor lasers; nanophotonics; nanomaterials; nanofabrication; micro-electromechanical systems (MEMS); biomedical sensors and microsystems; neural implants and prosthesis; holography; electronic product reliability; power electronics; and smart grids **(3) Wireless Communications**: wireless communications; wireless sensor networks; information theory; coding theory and techniques; signal processing theory and methods; visible light communications; and data storage systems; **(4) Networking**: optical networks; wireless networks; computer networks; neural networks; machine learning; visualization and graphics; queueing theory; performance evaluation; and security and cryptography; **(5) Computer Engineering and Control Systems**: intelligent and networked control; complex networks; artificial intelligence; machine learning; nonlinear circuits and systems; signal processing; pattern recognition; biomedical imaging; bioinformatics; computational neurosciences; computer graphics and vision; cloud computing; computer architecture; embedded systems; and evolutionary computing.

Department of Materials Science and Engineering

The Department has state-of-the-art fabrication and characterization facilities for a wide range of research areas related to materials science and engineering. The faculty members of the Department carry out both fundamental and applied research under the three major targeted areas, namely, Computational materials, Functional materials and Structural materials. **(1) Computational materials** include density functional theory calculation, molecular dynamics simulation, phase field modelling and multiscale modeling of mechanics of materials. For **(2) Functional materials**, key elements include materials physics, nanomaterials, organic light-

emitting diode, photovoltaic materials, magnetic materials and spintronics, materials for renewable energy, plasma science and processing, sensing and detection, optical spectroscopy, photonics and optoelectronics. Finally, **(3) Structural materials** encompass phase transformations, SMT solder joints, creep and life assessment, in-service behaviour of materials, stress analysis, electron microscopy, structural materials design, surface science and engineering, thin films and coatings, metals and alloys, plastics and composites, shape memory alloys, and electrical ceramics. In addition, members of the Department have collaboration around the world and are well-recognised in their research expertise. The ultimate goal of the department is to prepare graduates with professional and leadership skills for the future world.

Department of Mechanical Engineering

Academic programmes offered by the Department span from BEng degrees with Mechanical Engineering and Nuclear and Risk Engineering majors, MSc degree in Mechanical Engineering, to MPhil/PhD degrees in disciplines such as Nano/Molecular Engineering, Sustainable Manufacturing, Materials Engineering, and Robotics/Mechatronics/Automation. Research areas of the Department include **(1) Mechanical Engineering**: Mechanical Design; Rapid Prototyping; Flexible Assembly Systems; Solid Mechanics; Fluid Mechanics; Physical Metallurgy & Material Forming; Experimental Mechanics; Tribology; Surface Engineering & Thin Films; Structural Materials; Neural-Controlled Robots; Micro/Bio/Nano Robotics; Mobile/Flying Robots; Industrial Robots; Intelligent Control; Remote Sensing & Control; Intelligent Sensor Networks; Radio Frequency Identification (RFID); Automatic Materials Handling; Automation for Entertainment & Healthcare; Machine Vision. **(2) Nuclear and Risk Engineering**: Nuclear Safety; Nuclear Power Management; Nuclear Materials; Nuclear Medicine; Risk Assessment and Management; Emergency Management.

Department of Systems Engineering and Engineering Management

The Department provides high quality educational and research experiences in disciplines related to industrial and systems engineering and engineering management, preparing graduates for professional and leadership roles in industry and academia. The Department carries out research in a number of multidisciplinary areas. Research in **Systems Engineering** covers areas such as operations research, statistics, reliability, risk analysis, data mining, manufacturing systems, logistics & the supply chain, and human factors engineering. Research in **Engineering Management** spans innovation, entrepreneurship, project management, operations management, quality management, and engineering asset management.

3.3 *College of Liberal Arts and Social Sciences*

The College of Liberal Arts and Social Sciences (CLASS) at City University provides leading educational programmes in the field of Humanities and Social Sciences. It is home to eight academic units spanning a wide range of subjects. These are the Departments of Asian and International Studies; Chinese and History; Linguistics and Translation; English; Media and Communication; Public Policy; Social and Behavioural Sciences; and Chan Feng Men-ling Chan Shuk-lin Language Centre.

In the latest QS World University Rankings by Subject, CLASS is ranked 69th in Social Sciences and Management and 113th for Arts and Humanities among over 1200 universities. With respect to individual subjects, CLASS also puts in a strong performance. Three of the departments in the College are now ranked in the Top 50. Social Policy & Administration is ranked 35th amongst world's top universities by QS World University Rankings by Subject 2020. In the same ranking exercise, Communication and Media Studies is ranked 38th and Linguistics is ranked 39th in the world, which has been in the Top 50 for ten consecutive years since 2011; English Language and Literature, Modern Languages, and Politics & International Studies are ranked in the Top 100.

The College prides itself in its research reputation, and is also concerned to provide excellent opportunities for research degrees at the level of MPhil and PhD studies.

The following academic units of CLASS offer Research degree studies:

Department of Asian and International Studies

Hong Kong is at the crossroads of Asia. What happens in this region strongly impacts the whole world. The Department of Asian and International Studies (AIS) is dedicated to researching key global issues with an Asian focus. AIS is multi-disciplinary, with particular strengths in comparative politics and international relations as well as development studies, history, anthropology, and cultural studies. AIS has regional strengths in Japan, Korea, China and the countries of Southeast Asia (backed by the Southeast Asia Research Centre, the only research centre focusing on this region in Hong Kong). AIS has faculty from around the world, coming from 13 different countries with degrees from some of the world's leading universities. Most faculty speak one or more regional languages, and we put an emphasis on fieldwork in the region. AIS faculty publish in top tier journals and academic presses while making regular high impact contributions to the international and local media (including the BBC, CNN, CNBC, Al Jazeera as well as Bloomberg, China Daily, TIME, the Financial Times, the Huffington Post, the Guardian, the New York Times, the Washington Post, the LA Times and the South China Morning Post). International reviewers have praised AIS's recruitment of PhD students from world-leading universities (such as Sciences Po, Edinburgh, and NUS), its MA student graduates have entered PhD positions at top institutions such as Berkeley and Cambridge as well as getting top jobs in a variety of fields, while its BA student graduates have secured positions at major international organisations (including the UN), important NGOs, in journalism, innovative businesses, as well as going on to postgraduate study. In recent QS rankings, AIS was consistently ranked within the top 100 universities for Politics and International Studies and Development studies. We are a research-intensive department, with Politics and International Studies, core fields of AIS, ranked first in Hong Kong for citations per paper - and second in Asia - as well as first in Hong Kong for its H-index.

Department of Chinese and History

Research foci and expertise in the Department include: **(1) Chinese Language, Literature and Culture**: Chinese Classical Studies (jingxue), Chinese Literary Criticism, Chinese Philosophy, Classical Chinese Language, Classical Chinese Literature, Modern Chinese Literature and Culture; **(2) Comparative Literature, Cross-cultural Studies and Cultural Heritage**: Comparative Literature, East Asian Literature and Culture, Cultural Studies, Cultural Heritage and **(3) Chinese History**: Urban History, Buddhism History, Medical History, History of Arts, Ming-Qing Studies, Modern China, History of Cultural Exchange. The programme places equal importance on the use of Chinese and English languages.

Department of English

Research strengths in the Department include: **(1) Discourse Analysis**: conversation analysis, corpus-assisted discourse analysis, critical discourse analysis, genre analysis, mediated discourse analysis, multimodal discourse analysis, pragmatics, semiotics, and text analysis;**(2) Applied Linguistics and Language Teaching**: identity, intercultural communication, language policy and planning, pedagogical grammar, second language acquisition, second language writing, self-access learning, language teacher identity; **(3) Professional Communication**: business communication, English for specific purposes, language and law, persuasive communication, rhetoric of science, health and risk communication; **(4) Language, Technology, and Media**: computer-assisted language learning, digital literacies, language and mobile communication, and online discourse; and **(5) English-medium Instruction:** incidental language acquisition in the English-medium environment, pedagogical approaches to teaching and learning in EMI settings,

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professional discoursal skills in EMI; and **(6) Literary Studies:** World literature in English, postcolonial literature, modern and contemporary novel, nineteenth-century literature and culture, crime fiction, travel writing and comparative literature. **(7) Theatre and Performance Studies**: Modern and contemporary drama, performance studies; **(8) Cultural Studies**: Film studies and visual culture, fashion studies, creative industries and popular culture.

Department of Linguistics and Translation

Research foci and expertise in the Department include: **(1) General Linguistics**: Chinese Linguistics, Formal Linguistics, Functional Linguistics, Systemic-Functional Grammar, Lexicography, Morphology, Syntax-Semantics Interface, Phonetics and Phonology, Sociolinguistics, Terminology, Conversation Analysis, and Text Linguistics; **(2) Corpus and Empirical Linguistics**: Computational Linguistics, Corpus linguistics, Psycholinguistics, Cognitive Linguistics, Empirical Linguistics, Neurolinguistics, and Lexical Semantics; **(3) Pedagogical Linguistics**: Applied Linguistics, Linguistics-Based Pedagogy to Language Teaching, Computer-Assisted Language Learning, Contrastive Study of English and Chinese, Second Language Learning and Teaching, and Teaching Chinese to Speakers of Other Languages; **(4) Translation and Interpretation**: Computer-Aided Translation, Discourse Analysis, Language and Law, Machine Translation, Translation and Literature, Translation Theories, Media and Film Translation, Interpreting and Translation Studies, and Consecutive and Simultaneous Interpretation.

Department of Media and Communication

Research foci of the Department includes: **(1) New Media and Technology**: diffusion, use, and effects of communication technology; impact of online and mobile media; computer-mediated communication; human-computer interaction; policy and regulation; business strategy; **(2) Media Institutions and Society**: state-society-media relationships; news production; media organizations; journalists and professionalism; social influence of media content; **(3) Political Communication**: public opinion, civic and political participation, political campaigns; **(4) Media Psychology and Effects**: cognitive processing, media effects; interactive advertising; **(5) Computational Communication Research**: social media/network analysis, big data mining; computational social science; **(6) Health Communication**: persuasion, healthcare narratives, health message processing; **(7) Strategic Communication:** public relations, advertising, integrated marketing communications.

Department of Public Policy

In the Department of Public Policy, our education programmes strive towards producing high quality public policy professionals who will emerge as leaders in a wide range of organisational contexts: public, private, non-governmental and voluntary sectors. Students experience a vibrant academic environment which enables them to engage creatively and critically with the key policy challenges facing the contemporary world-locally, regionally and globally.

Our graduates will be people who can communicate effectively and work in teams, possess strong leadership skills and have robust analytical skills to dissect societal problems and recommend improvements to society. The personal development of students is central to our education and is enhanced through international experience, residential workshops, internships and experiential-learning. For students to develop to their full potential our expert faculty expect students to come to class fully prepared to study and participate in course discussions.

The Department is multidisciplinary and multinational that brings an energetic international and local orientation to the classroom. Many faculty members are leaders in their fields of education, research and community engagement. The Department can lay strong claims to be the leading department in its field in the region. For example, the 2019 Academic Ranking of World

Universities places our public administration/management research 1st in Hong Kong, 1st in Asia and 14th in the world and political science 1st in Hong Kong and joint 4th in Asia and in the top 200 in the world.

Department of Social and Behavioural Sciences

Research foci/expertise in the Department includes: **(1) Applied Sociology**: work, labour, class, organization, community, family, gender, ethnicity, deviance, welfare, politics, life quality, social capital, social movement, social policy, social problem, civil society, and social development; **(2) Psychology**: self-concept, educational psychology, intimate relationship, stress and negative emotions, health psychology, positive ageing, creativity, idol worship, aggression, resilience, and human values; **(3) Social Work**: casework, groupwork, community work; working with children, youth, elderly and family; family violence, empowerment-oriented practice with socially disadvantaged groups, conflict management and mediation, volunteerism, and social work management and supervision; **(4) Counselling**: cognitive behavioural therapy, narrative therapy, family therapy, parent education and support, marriage enrichment, and psychotherapy process; and **(5) Criminology**: restorative justice, youth justice, organized crime, juvenile delinquency, Chinese criminology, anti-corruption, policing, crime prevention, school bullying, gang and outreach youth work, and cybercrime. Existing research works very often tap on the expertise of different disciplines. For example, the development of caregiver assessment model is supported by a team from social work, and psychology discipline.

3.4 College of Science

The College of Science (CSCI) and our three academic departments strive to offer quality research degree programmes in physical sciences: **Chemistry; Mathematics; and Physics**. Drawing upon the diverse expertise of the internationally recognized faculties and the state-of-the-art research facilities, the College offers focused curriculum and rigorous research training to our research degree students. With a vision to generate research of regional and global impact in theoretical and applied sciences, the College equip the students with transferrable skills and attributes necessary for a career in academia and beyond.

The excellence in research as accomplished by the College can be highlighted by the State Key Laboratory of Marine Pollution (City University of Hong Kong), the Center of Super-Diamond and Advanced Films and the Liu Bie Ju Centre for Mathematical Sciences. In addition, the College has a strong international reputation in research and our outstanding academic rankings are highlighted below.

Quacquarelli Symonds (QS) World University Rankings 2020
Top 100 in Mathematics
Top 150 in Chemistry
Top 200 in Physics

US News: Global University Rankings 2020
32nd in Mathematics
Top 200 in Chemistry

Academic Ranking of World Universities (ARWU) 2019
Top 100 in Mathematics
Top 150 in Chemistry

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Department of Chemistry

The Department is very unique in a multidisciplinary nature by integrating Chemistry, Biology, and Environmental Science. Research focus/ expertise in the Department include:

(1) Synthetic Chemistry: green chemistry; spectroscopy and catalysis; catalyst design and synthesis; organic electroluminescent devices; inorganic photo-responsive and luminescent chemosensors; organometallic chemistry; homogeneous catalysis;

(2) Materials Chemistry: green materials / manufacturing; organic and inorganic functional materials; nanoscience and nanotechnology; organic light-emitting devices; crystal phase control; solar cells;

(3) Biological Chemistry: chemical biology; bioinorganic chemistry; bioorganic chemistry; developmental and cell biology; nano-biotechnology and biosensing; DNA and RNA chemistry; genomics and biotechnology; proteomics and metabolomics;

(4) Computational Chemistry: energetics and reactivities of chemical species; mechanisms of chemical reactions;

(5) Environmental Chemistry: freshwater and marine pollution; aquatic ecology and conservation; renewable energy, energy storage and management, energy efficiency and conservation; ecotoxicology; environmental monitoring; environmental impact and risk assessment.

Department of Mathematics

Research strengths/disciplines of the Department include: **(1) Applied Analysis**: asymptotic and perturbation methods, dynamical system, inverse problems, kinetic theory, learning theory, partial differential equations, special functions, approximation theory, stochastic analysis; **(2) Computational Mathematics**: complexity theory, numerical linear algebra, numerical analysis, scientific computation, computational electromagnetics; image processing; **(3) Mathematical Modelling**: control and system theory, fluid mechanics, elasticity, granular materials, mathematical biology, mathematical finance, mathematics of new materials, plate and shell theory; **(4) Probability and Statistics**: statistical machine learning and data mining, model selection and assessment, high dimensional data analysis, biomedical statistics.

Department of Physics

Research focus/expertise in the Department include: (1) **Theoretical and Computational Physics**: condensed matter theory, computational solid state physics, computational electrodynamics, computational chemistry, computational biology physics, quantum computation and information, quantum simulation with cold atoms; (2) **Spectroscopy and Imaging**: sophisticated experiments involving quantum beams such as synchrotron x-ray, neutron, electron, coherent light, and NMR, the structure and phase transition in glass and liquids, Boson peak and the dynamics of glass and liquids, quantum interactions such as spin-orbital coupling in multiferroics; (3) **Atomic, Molecular, and Optical Physics**: mechanism of noise and decoherence, open quantum system and quantum entanglement, non-equilibrium physics in AMO system, opto-mechanics, photonic crystals and metamaterials; (4) **Low-dimensional Systems**:

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topological quantum computing and Majorana fermions, Dirac and Weyl semimetals, topological and dynamical phenomena and Bose-Einstein condensation and spin-orbit coupling, quantum Hall Effect, transport phenomena, superconductivity, frustrated magnetism, topological superconductors, 2D materials, heterostructures and interfaces; (5) **Soft Matter and Biophysics**: dynamics of protein and subcellular processes, emergent phenomena in live cells, non-equilibrium mechanisms in active living matter, biological networks, biological and clinical experiments, novel physics-based data acquisition protocol, instrumentation in biomedical imaging, radiation biophysics, ion-track technology.

3.5 *Jockey Club College of Veterinary Medicine and Life Sciences*

The College strives to be at the frontier of veterinary and biomedical research and discovery. Our cutting-edge research in these areas thematically operates under the "One Health" concept, which recognizes the interconnectedness of human and animal health. The College fosters interdisciplinary collaborations involving a wide range of scientific disciplines aimed at achieving optimal health outcomes for people, animals and the environment within a local, regional and international context.

The College offers five PhD programmes at college and departmental levels:
1.   Doctor of Philosophy in Veterinary Medicine (offered at college level);
2.   Doctor of Philosophy in Biomedical Sciences;
3.   Doctor of Philosophy in Infectious Diseases and Public Health;
4.   Doctor of Philosophy in Neuroscience;
5.   Doctor of Philosophy in Veterinary Clinical Sciences.

Jockey Club College of Veterinary Medicine and Life Sciences

The PhD programme in Veterinary Medicine is an interdisciplinary programme, jointly supervised by CityU and faculty from Cornell University, open to outstanding graduate students who wish to conduct state-of-the-art basic, clinical and translational life sciences research alongside highly experienced research professionals. The programme is student-centered and led by faculty who are accessible, engaged and committed to ensuring that our postgraduate students reach their full potential in research, teaching and professional development.

The students admitted to the programme will be eligible to undertake research work as research interns for up to 12 months at the Cornell University. The students will participate in research programmes leading to PhD degrees in one of the following areas:

•   Comparative Biomedical Sciences
•   Immunology & Infectious Disease
•   Molecular & Systemic Neuroscience
•   Public Health & Epidemiology

Department of Biomedical Sciences

The Department carries out internationally competitive research and promotes interdisciplinary collaboration in biomedical sciences. Its research programmes aim to understand fundamental mechanisms of biological processes and diseases, and translate new knowledge into the development of novel diagnostic and therapeutic strategies for prediction, prevention, and treatment of human diseases. Departmental research focuses on four strategic areas:

•   Cancer biology and therapy;
•   Genomics and bioinformatics;
•   Regenerative medicine; and
•   Infectious diseases and immunity.

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Multidisciplinary approaches are employed and supported by a wide range of state-of-the-art equipment with cutting-edge techniques in areas including molecular and cell biology, genetics and genomics, physiology and pharmacology, systems biology and bioinformatics, microbiology and immunology, and biotechnology and nanotechnology.

Department of Infectious Diseases and Public Health

The Department focuses on One Health, an area spanning the health of animals, humans and the environment. Our principal research areas include:

- enhancing an understanding of the pathogenesis and natural history of infectious diseases in animals, with the overarching aim of improving methods for their diagnosis and control
- improving animal health and welfare through application of more effective disease control methods
- supporting the efficient and economic production of safe, both terrestrial and aquatic, animal-based food and other derived products
- monitoring current and emerging infectious diseases in animals that may impact on human health, including drug-resistant pathogens
- fostering collaborations between medical and veterinary personnel in the provision of targeted public health measures
- improving animal welfare through research, teaching and public education

Department of Neuroscience

Neuroscience is a rapidly growing discipline that acknowledges the remarkable importance of the brain, the most complicated biological machine. Modern neuroscientists have skills suited for a variety of career options including research, education, industry and medicine, to name a few. The field is driven by discovery and translational research that is interdisciplinary in nature and benefits from City University's strong programs in biomedical sciences, computational science, applied mathematics and engineering. Neuroscience is entering a period of extraordinary opportunity for translating basic findings into treatments for diseases such as stroke, dementia and Parkinson disease. Research is conducted across a broad range of topics from the molecules that underlie neuronal communication to the mechanisms of sensory perception to the events that underlie memory and learning. Major research areas include:

- The physiology and neurochemistry of memory and learning
- Psychophysics of visual and auditory perception
- Normal and abnormal functions of neuronal circuits
- Neurophysiology of animal behavior
- The pathophysiology of nerve and brain injury and repair
- Neuroglial cell functions in normal and disease states

Department of Veterinary Clinical Sciences

The Department of Veterinary Clinical Sciences has a clear vision to be Asia's preeminent body advancing veterinary clinical science in response to evolving societal needs.

The research mission of the Department of Veterinary Clinical Sciences is to advance animal health through cutting-edge clinical research. We seek to deliver translational solutions for common and emerging clinical problems. Our research themes include:

- Disease emergence in shelter-housed animals
- Viral oncology
- Advancing animal welfare

- Advancing veterinary medical education
- Production diseases in farm animals
- Equine diseases and welfare

3.6   *School of Creative Media*

Established in 1998, the School of Creative Media at City University of Hong Kong is the birthplace of a new generation of transmedia specialists – professionals who are not only skilled in the technology of digital media but who can also integrate a multiplicity of media forms. The School has now established itself to be a leader in creative media education in Asia.

The School's interdisciplinary research activities encompass and combine all aspects of art and new media creation, incorporating methodologies based in the sciences, the humanities, and the social sciences: multimedia technology, video and image computing, distributed mobile computing and wireless networking, artificial intelligence and data management systems, software engineering and internet applications, multimodal interface design, interactive and embodied media, virtual and augmented reality, the cinematic arts, photography, computer graphics and animation, musical composition and performance, sound art, installation arts, urban media art, game design, physical computing, digital cultural heritage, and historical, theoretical, and critical analyses of all of these areas, including ethical, social and aesthetic implications of emerging technologies on art and new media creation.

The School is equipped with state-of-the-art teaching and research facilities with VR/AR development kits, 4K cameras, advanced immersive digital visualization systems, including a 360-degree 3D projection environment and one of the industry's best 24-camera optical motion capture systems. The Run Run Shaw Creative Media Centre, designed by the world-renowned architect Daniel Libeskind, provides purpose-built facilities for the School in nurturing the next generation of transmedia specialists and has become an iconic landmark in the territory. It is a hub for creative professionals from all over the world seeking new opportunities for collaboration   in the rapidly-evolving creative industries.

3.7   *School of Data Science*

The School of Data Science at CityU is the first one in Hong Kong and one of the first in the world to lead the development of this new discipline. The faculty is composed of interdisciplinary academic leaders in multiple domains including theoretical analysis, algorithm development, smart cities and Industry 4.0, and applications in fintech, energy, environment, public health, and precision medicine. Our PhD programme aims at offering students solid fundamentals of data science in machine learning, statistics, computing, data analytics, and optimization, as well as contributing to the state-of-the-art research in data science. Selected research areas include:

- Machine learning theory and algorithms (including deep learning, statistical learning, and reinforcement learning, etc.)
- Artificial intelligence and implementations via cloud and edge computing
- Optimization and control powered by data driven approaches
- Smart cities and Industry 4.0 (including Internet of Things, smart operations and manufacturing, blockchain, shared economy, transportation, etc.)
- Applications of data science (including business analytics, financial technology (FinTech), social media analytics, legal data analytics, healthcare systems, energy systems, etc.)

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3.8   *School of Energy and Environment*

The School of Energy and Environment aims to (a) advance research in targeted themes of benefit to societal needs in energy, environment, and sustainability, (b) educate engineers and professionals adopting holistic approaches which provide innovative solutions to local and regional problems in energy, environment, and sustainability, and (c) maintain a collaborative and supportive atmosphere for students, faculty, alumni and other stakeholders in advancing our interdisciplinary research and educational objectives.

In our research degree programme, the School provides opportunities for high quality research students to engage in research activities related to energy or environment that lead to the degree of Doctor of Philosophy. Faculty members in the School have extensive international experience in areas currently including renewable energy, energy storage, energy efficiency and conservation, meteorology and climate, air pollution, water and waste treatment, environmental and energy economics and sustainability.

Research focus/expertise in the School includes two major areas: *(A) Energy-related* **(1) Renewable Energy**: Solar cells; Wind; Marine; Biofuels; **(2) Energy Storage and Conversion**: Fuel cells; Batteries; Power transmission; Electric motors **(3) Energy Efficiency**: Building energy; Energy audit; Advanced air conditioning; *(B) Environment-related* (1) **Meteorology and Climate**: Tropical meteorology, Climate diagnostics, Climate modelling, Climate and hydrological change and impact studies, Atmospheric remote sensing; **(2) Air Pollution**: Outdoor and indoor air pollution monitoring, modelling and control; Air pollution exposure and impacts; Aerosol science **(3) Water and Waste Treatment**: Waste-water treatment; Biowaste utilisation; **(4) Sustainability**: Environmental policy; Energy economics; Carbon management; Green building.

3.9   *School of Law*

The School of Law at CityU fosters a culture of integrated research and teaching, drawing on the expertise of its faculty and a diverse and representative student body, thus contributing to relevant and fundamental research in Hong Kong, China and beyond. The school aspires to attract dedicated postgraduate students to contribute to the School's varied research activities. Graduate students will benefit from the School's research culture, which emphasises both fundamental and applied aspects of advanced legal studies and research, while local relevance, comparative insights, and critical analyses are encouraged. The study of law in any given jurisdiction presupposes and necessitates particularity, context and geographical specificity. Law students can therefore first and foremost expect to be trained in the law of Hong Kong. But this fundamental approach does not imply parochialism. The law school's approach is premised on a proper appreciation of the broader regional, cultural and international contexts that impact on the development of the law as a dynamic field of study.

The subject areas offered, and research specialisation areas available at the School of Law, include the usual and expected core curriculum of legal studies, namely private law (the law of persons, contract law, and tort law etc.), commercial law (company law, consumer protection law, competition law etc.), criminal justice (criminal law, criminal procedure, evidence and criminology), public law (notably constitutional law, administrative law, and human rights), and international law, including public international law. In addition to the general core curriculum, the School also makes it a priority to teach and do research in strategic areas that add value to its core curriculum, attract postgraduate students, and provide staff with opportunities to develop existing areas of law and to expand the School's impact in specific areas of expertise. These strategic research areas include, but are not limited to, Chinese and Comparative Law, Maritime Law, and Arbitration and Dispute Resolution.

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3.10 *Research Degree Coordinators*

For more information on a specific research area or research expertise in individual Departments/Schools, please contact the Research Degree Coordinators of respective Departments/Schools:
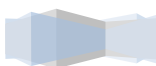
	Name of Coordinator	Tel. No.	Fax No.	E-mail
College of Business				
College of Business	Prof. LIU Guangwu PhD Programme Director	3442-8304	3442-0151	guanliu@cityu.edu.hk
Department of Accountancy	Prof. YU Yangxin	3442-7962 (Direct line) 3442-7760 (General enquiry)	3442-0349	yangxin.yu@cityu.edu.hk
Department of Economics and Finance	For enquiries related to the Economics area – Dr. TAM Xuansong	3442-2163/ 3442-9583	3442-0289	xuanstam@cityu.edu.hk
	For enquiries related to the Finance area – Dr. QI Yaxuan	3442-9967/ 3442-9583	3442-0289	yaxuanqi@cityu.edu.hk
Department of Information Systems	Prof. Kai LIM	3442-8045	3442-0370	iskl@cityu.edu.hk
Department of Management	Dr. WANG Long	3442-7181	3442-0309	longwang@cityu.edu.hk
Department of Management Sciences	Prof. LU Ye	3442-8360	3442-0189	yelu22@cityu.edu.hk
Department of Marketing	Dr. ZHAO Huazhong	3442-9910	3442-0346	h.zhao@cityu.edu.hk
College Engineering				
Department of Architecture and Civil Engineering	Prof. K M LIEW	3442-6581	3442-0427	kmliew@cityu.edu.hk
Department of Biomedical Engineering	Prof. WANG Dongan	3442-9542	3442-0172	dwang229@cityu.edu.hk
Department of Computer Science	Prof. Sam KWONG	3442-8580	3442-0503	cssamk@cityu.edu.hk
Department of Electrical Engineering	Dr. Bernard CHIU	3442-7199	3442-0562	bcychiu@cityu.edu.hk
Department of Materials Science and Engineering	Dr. ZHI Chunyi	3442-7891	3442-0892	cy.zhi@cityu.edu.hk
Department of Mechanical Engineering	Prof. Yong YANG	3442-9394	34420172	yonyang@cityu.edu.hk
Department of Systems Engineering and Engineering Management	Prof. Min XIE	3442-9596	3442-0173	minxie@cityu.edu.hk

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	Name of Coordinator	Tel. No.	Fax No.	E-mail
College of Liberal Arts and Social Sciences				
Department of Asian and International Studies	Dr. Nicholas THOMAS	3442-5301	3442-0180	ndthomas@cityu.edu.hk
Department of Chinese and History	Dr. FAN Ka Wai Dr. TSUI Lik Hang	3442-2472 3442-2101	3442-0508	cikwfan@cityu.edu.hk lhtsui@cityu.edu.hk
Department of English	Dr. Lindsay MILLER	3442-8854	3442-0288	enlinds@cityu.edu.hk
Department of Linguistics and Translation	Dr. Alex FANG	3442-8793	3442-0359	acfang@cityu.edu.hk
Department of Media and Communication	Dr. Marko SKORIC	3442-8990	3442-0228	mskoric@cityu.edu.hk
Department of Public Policy	Prof. GONG Ting	3442-4667	3442-0413	tgong2@cityu.edu.hk
Department of Social and Behavioural Sciences	Dr. Marcus CHIU	3442-5218	3442-0283	marcus.chiu@cityu.edu.hk or ss.rdp@cityu.edu.hk
College of Science				
Department of Chemistry	Dr. Guangyu ZHU	3442-6857	3442-0522	guangzhu@cityu.edu.hk
Department of Mathematics	Dr. Dan DAI	3442-5995	3442-0250	dandai@cityu.edu.hk
Department of Physics	Dr Shubo WANG	3442-9143	3442-0538	shubwang@cityu.edu.hk
Jockey Club College of Veterinary Medicine and Life Sciences				
Jockey Club College of Veterinary Medicine and Life Sciences	Dr. Xin DENG	3442-5693	3442-0549	xindeng@cityu.edu.hk
Department of Biomedical Sciences	Dr. Xin WANG	3442-2367	3442-0549	xin.wang@cityu.edu.hk
Department of Infectious Diseases and Public Health	Dr. Jun LI	3442-6732	3442-0589	jun.li@cityu.edu.hk
Department of Neuroscience	Prof. Sir Colin BLAKEMORE	3442-2747		colin.blakemore@cityu.edu.hk
Department of Veterinary Clinical Sciences	Dr. KOT Brian Chin Wing	3442-9438		briankot@cityu.edu.hk
School of Creative Media				
	Prof. FU Hongbo	3442-4302	3442-0408	hongbofu@cityu.edu.hk
School of Data Science				
	Prof. Junhui WANG	3442-2153	3442-0250	j.h.wang@cityu.edu.hk

	Name of Coordinator	Tel. No.	Fax No.	E-mail
School of Energy and Environment				
	Dr. Denis YU	3442-6885	3442-0688	denisyu@cityu.edu.hk
School of Law				
	Dr. Stephen THOMSON	3442-6592	3442-0190	sthomson@cityu.edu.hk

4 RESEARCH DEGREE PROGRAMMES

4.1 *Programme Aims and Structure*

4.1.1 Research degree programmes aim to provide advanced education to nurture people who can:

- contribute to the advancement of knowledge through independent and original research;
- demonstrate specialist subject knowledge and a high level of transferable skills, including analytical, communication and leadership skills; and
- enhance economic, social and cultural development.

4.1.2 The University offers two types of research degree programmes, namely, Master of Philosophy (MPhil) and Doctor of Philosophy (PhD), which consist of both coursework and independent research studies culminating in the submission of a thesis.

(a) Coursework Requirement
Students are required to fulfil the following coursework requirements within their study period:

MPhil: 7 credit units (including at least 2 credit units of research methodology and ethics course at postgraduate level);

PhD: 14 credit units (including at least 9 credit units of core courses and at least 2 credit units of research methodology and ethics course at postgraduate level)

and

1 credit unit compulsory course: Teaching Students: First Steps (SG8001)

and

Training on Research Integrity (CITI Programme)

Individual Departments and Schools may stipulate a higher credit unit requirement. Research students in the College of Business are required to take a stipulated set of taught courses. Please refer to <u>Appendix 5</u> for its "Research Degree Programme Structure".

(b) Qualifying Examination
PhD students are required to take and pass a qualifying examination within 10-24 months (full-time) or 20-48 months (part-time) after commencement of PhD studies. The qualifying examination aims to test students' knowledge of major subject area of their research disciplines and assess their readiness to conduct research in their specific research discipline.

The qualifying examination shall consist of written examination only. A maximum of two attempts will be allowed. Those who fail the qualifying examination after two attempts will be recommended for termination of study.

(c) Thesis
An MPhil thesis should present the results of research investigation, give evidence of a sound understanding of the area of study, its context and applicability, and make a contribution to knowledge. A PhD thesis, in addition to the above, should make a substantial original contribution to knowledge in the subject area concerned.

4.2   *Study Period and Residence Requirement*

4.2.1   Research studies can be undertaken in full-time or part-time mode. The University has stipulated the following study periods for research degree programmes, and students are required to complete their studies, including the submission of their theses, within the said periods:

Programme of Study	Full-time	Part-time
MPhil	2 years	4 years
PhD	4 years	8 years

4.2.2   Students who have special grounds for not being able to comply with the above may submit an application for an extension of their study period, together with a proposed study plan, before their original study period expires. Such cases will only be approved in exceptional circumstances. Moreover, only a maximum of two extensions can be granted, with each period not exceeding 12 months, irrespective of the student's mode of study. Failure to complete the study by the end of the second extension will lead to termination of study unless there are truly extenuating circumstances. Such cases should be approved by the School.

4.2.3   A student who is receiving regular supervision in Hong Kong or in a designated location approved by the University is classified as being in residence. The required residence period for research degree studies is equivalent to half of the relevant study period.

4.3   *Report Submission*

4.3.1   **Qualifying Report**
Students are required to submit a qualifying report (typed and in English) within the specified periods as follows:

Full-time students: within 6-12 months from commencement of study
Part-time students: within 9-18 months from commencement of study

The qualifying report should include a survey of the relevant literature, an identification of a specific research topic, the research methodology and a discussion of the possible outcomes.

The qualifying report shall be assessed by the respective qualifying panels. Assessment will include a compulsory oral examination and other examination as may be required by the qualifying panel.

4.3.2   **Annual Progress Report**
Students who have been confirmed as qualified for their studies are required to submit a progress report (typed and in English) on an annual basis until they have submitted the final version of their theses for assessment.

4.4   *Medium of Instruction/Assessment and Thesis Presentation*

4.4.1   The normal medium of instruction and assessment at the University is English. Research students should write and present their thesis in English, unless they give very strong justifications for using another language.

4.4.2   Students with valid reasons to support using a language other than English in thesis writing may apply to the School in writing within the first six months of their studies. Applications submitted after the said period will normally not be considered. Such applications will be forwarded to the Department and College or the School for recommendation and final approval rests with the Committee on Research Degrees Candidature.

4.5   *Award of MPhil/PhD Degree*

To be recommended for the award of an MPhil or PhD degree, students must successfully complete the coursework requirements, and satisfy the examiners in respect of the thesis submitted, in an oral examination on the thesis and area of study concerned, and in any written or practical examinations as required.

4.6   *Learning Outcomes and Assessment Indicators of Research Degree Programmes*

To assess the quality outcome of Research Degree programmes effectively, the Board of Graduate Studies has approved the establishment of six performance indicators in evaluating achievement of learning outcomes by research degree students. The six performance indicators are:

i.   good quality research output - the type of research output can be discipline-specific, including journal article, book chapter, conference paper and/or artwork exhibition;
ii.   attendance in key academic conference(s) - the conference can be held either locally or overseas, in which students must have paper presentation;
iii. coursework performance in terms of GPA obtained;
iv.   training in teaching by completing SG8001 course;
v.   ability to receive prizes, and/or awards; and
vi.   ability to receive scholarships.

On graduation, City University research postgraduate students will be able to achieve the following desirable learning outcomes:

Research Degree Students

5   FINANCIAL AWARDS/ASSISTANCE

5.1   *Postgraduate Studentship*
(Applicable to government-funded students only)

5.1.1   The Postgraduate Studentship is granted on the basis of academic merit. Full-time research students who have obtained at least a bachelor's degree with upper second class honours (or equivalent) or a good master's degree before admission are eligible to apply for the Studentship. (Exemption from the above may be considered if the student has a good publication record.)

5.1.2   Eligible new full-time students will be considered for the award of the Studentship as part of their application for admission to a research degree programme. Separate applications are not required.

5.1.3   There are two different studentship rates, namely Basic Rate and Advance Rate. Basic Rate will normally apply to all eligible full-time research students. Advance Rate will be awarded to those PhD students who have passed the qualifying examination.

5.1.4   The Studentship is normally renewed on a yearly basis. Continuation and renewal of the award are subject to satisfactory study progress, achievement in coursework results and performance in any academic-related duties assigned. Individual department/school may stipulate additional requirements.

5.1.5   MPhil students will normally be granted the Studentship for a maximum of two years and PhD students a maximum of four years (irrespective of their entry qualifications), and the Studentship award period should not exceed students' stipulated study period. The Studentship rate for 2020/21 is HK$17,510 per month. Studentship is subject to revision in September of every year, and any revision to the rate will apply to both current and new students.

5.1.6   Studentship recipients are normally required to undertake not more than 10 hours per week on average of teaching and/or research support duties, as assigned by the Department/School. They shall not engage in any paid employment without the prior approval of the University.

5.2   *Research Tuition Scholarship*
(Applicable to government-funded students only)

5.2.1   The purpose of the Research Tuition Scholarship is to recognise and reward students with outstanding academic performance. It is a meritorious award and is granted on a strictly competitive basis.

5.2.2   The Scholarship is in the form of an exemption for students from paying tuition fees. If granted a Scholarship, full-time students will be exempted from paying one year's fees. Notwithstanding the above, the award period should not exceed students' stipulated study period.

5.2.3   The Scholarship is not a cash award and cannot be held concurrently with other awards covering tuition fees.

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5.2.4   Only full-time research students are eligible to apply for the Scholarship. All eligible new students will be considered for the award of the Scholarship as part of their application for admission to a research degree programme. Separate applications are not required.

5.3   *Conference Grant*
         (Applicable to government-funded / institutional-funded students only)

Research students can apply for conference grants for attending local and overseas conferences. The maximum value of a grant is HK$10,000.

5.4   *Research Activities Fund*
         (Applicable to government-funded students only)

Research students can apply for funding support to undertake research related activities outside Hong Kong, which are beneficial and related to their MPhil/PhD studies. The monthly allowance is HK$5,000. Normally, the maximum cumulative amount of funding provision during the entire candidature of study is HK$30,000.

5.5   *Chow Yei Ching School of Graduate Studies Entrance Scholarships*
         (Applicable to government-funded students only)

The purpose of the Chow Yei Ching School of Graduate Studies Entrance Scholarships is to encourage outstanding international students to undertake MPhil or PhD studies at the University with a view to promoting academic exchange and enhancing the international mix of the University's student population.

The Scholarship is to cover students' tuition and on-campus hostel accommodation fees in their first year of research studies. If granted a Scholarship, the student's full-time tuition and hostel accommodation fees in the first year of study will be off-set by the award.

5.6   *Government Grants and Loans and External Financial Awards/Assistance*
         (Applicable to all students)

The Government and the University offer various kinds of grants and loans to help students who are in financial need. There are also various kinds of external financial awards and assistance granted on the basis of academic merit or financial need.

5.7   *Tuition Wavier Scheme for Local Research Postgraduate Students Studying Full-time UGC-funded Programmes*

In 2018/19, the University Grants Committee (UGC) has launched a Tuition Waiver Scheme for local Research Postgraduate (RPg) students. All eligible local students enrolled in UGC-funded RPg programmes will be provided with tuition waiver to cover the entire tuition fee at current rate of HK$42,100 per year during the normative study period. The University will waive the tuition fees of the local students upon verification of their eligibility. Application is not required for the tuition waiver. Please visit: https://www.ugc.edu.hk/eng/rgc/funding_opport/tws.html for eligibility and other details. In case of any dispute, decision of the UGC and the UGC Secretariat shall be final.

6 MERIT AWARDS IN RECOGNITION OF ACADEMIC PERFORMANCE

6.1 *Chow Yei Ching School of Graduate Studies Scholarships*
(Applicable to government-funded students only)

6.1.1 The purpose of Chow Yei Ching School of Graduate Studies Scholarships is to recognize and reward students with outstanding academic performance.

6.1.2 All students who are within their (normal) period of study and have undertaken their current MPhil/PhD studies for at least one full year are eligible to apply for the Scholarship.

6.1.3 The Scholarship is a one-off cash award and students will be presented a certificate of award issued by the School.

6.2 *Outstanding Academic Performance Award*

6.2.1 The purpose of the Outstanding Academic Performance Award for research students is to recognise students with outstanding academic performance in their research studies.

6.2.2 All research degree students who have completed at least one full year of MPhil/PhD studies and are within their (normal) study period are eligible to apply for the award.

6.2.3 The award is a one-off cash award and students will be presented a certificate of award issued by the School.

6.3 *Outstanding Research Thesis Awards*

6.3.1 The purpose of the Outstanding Research Thesis Awards is to recognise and reward research students who have produced a thesis of outstanding quality and achievement in their relevant research area.

6.3.2 The School will identify those theses that have satisfied the award criteria and forward the cases to the relevant Departments/Schools, which will be invited to confirm their suitability for the award. On receipt of the confirmation from the Departments/Schools, the students concerned will be granted the award.

6.4 *Chow Yei Ching School of Graduate Studies Outstanding Doctoral Research Award*

6.4.1 The purpose of the Chow Yei Ching School of Graduate Studies Outstanding Doctoral Research Award is to recognize exceptional work by PhD graduates and to encourage the highest levels of research and writing.

6.4.2 Only awardees of the Outstanding Research Thesis Award will be eligible to compete for the award.

7   FEES FOR 2021/22

The following are the major fees (tentative rates for 2021/22) for MPhil/PhD programmes. Please note that fees are subject to revision from time to time without prior notification, and any adjustments to fees will apply to both new and current students.

Acceptance Fee

	Mode of Study		Remarks
	Full-time	Part-time	
Government-funded and self-financed students	HK$7,016		Non-refundable; payable upon acceptance of admission offer

Tuition/Continuation Fees (normally adjusted in September every year)

Type of Fee	Mode of Study		Remarks
	Full-time	Part-time	
Government-funded Students			
Tuition fee	HK$3,508 per month	HK$1,754 per month	Non-refundable; applicable to students within their stipulated study period
Continuation fee	HK$877 per month	HK$439 per month	Non-refundable; applicable to students who have been approved for an extension of their study period
Self-financing Students			
Tuition fee	HK$7,016 per month	HK$3,508 per month	Non-refundable; applicable to students within their stipulated study period
Continuation fee	HK$1,754 per month	HK$877 per month	Non-refundable; applicable to students who have been approved for an extension of their study period

Other Fees (for all students)

Type of Fee	Mode of Study		Remarks
	Full-time	Part-time	
Membership fee for CityU Postgraduate Association	HK$300	HK$150	One-off payment covering a student's entire study period
Examination fee	HK$1,000 (MPhil) HK$1,500 (PhD)		Non-refundable
Re-examination fee	HK$1,000 (MPhil) HK$1,500 (PhD)		Applies to students who are required to undertake a second oral examination; non-refundable
Graduation fee	HK$400		Refundable upon study withdrawal or study termination

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8   STUDENT ACCOMMODATION AND SUPPORT TO STUDENTS' STUDIES

8.1   *Student Accommodation*

8.1.1   The University offers on-campus accommodation for full-time research students in UGC-funded programmes. Due to the very limited residence places and increasing demand, the University is unable to offer residence places to UGC-funded research students for their entire study period. Furthermore, there is no guarantee at all that students will be granted residence places during their studies. Application for residence places is made on yearly basis and lot–drawing is primarily used in allocating residence places for UGC-funded research students. Students who are interested to reside in the student residence can submit online application during the specified application period.

If the residence application is not successful, students are advised to visit SRO website for more information on searching off-campus accommodation.

8.1.2   Students who are interested to reside in the student residence in 2021/22 can submit online application during the application period from mid-April to mid-May 2021. For details, please refer to the SRO website in times of application.

8.1.3   Applications after 15 May 2021 should be sent directly to sropga@cityu.edu.hk. These applications will be put on waiting until all applications submitted on time had been processed.

8.1.4   Results will be released in early June 2021. Applicants who have submitted applications on or before 15 May 2021 will receive notifications via emails.

8.1.5   Successful applicants who are offered places at the Student Residence will be required to accept the residence offers by paying a non-refundable confirmation fee by the specified deadline. Students who fail to pay the confirmation fee before the specified date will be regarded as withdrawal and their places will be allocated to other students.

For enquiries, please contact the Student Residence Office:
Phone: (852) 3442 1111
Email: sropga@cityu.edu.hk
Website: http://www.cityu.edu.hk/sro

8.2   *Student Development Services*

The Student Development Services (SDS) is committed to enriching students' educational experience and whole person development, through lectures and training courses on counselling, career development, wellness, leadership development, inter-personal relationship, communication, and stress management.

9 INFORMATION FOR APPLICANTS FROM OVERSEAS AND THE CHINESE MAINLAND

9.1 *Definition of Non-local Applicants*

Students holding a valid visa/entry permit under the following categories for the purpose of study in Hong Kong are defined as "non-local student":

(a)   student visa/entry permit;

(b)   visa/entry permit under the Immigration Arrangements for Non-local Graduates (IANG); or

(c)   dependant visa/entry permit for students who were 18 years old or above when they were issued with such visa/entry permit by the Director of Immigration.

9.2 *Global Engagement Office*

The Global Engagement Office (GEO) provides assistance and support to non-local students, including student visa/entry permit application, orientation programmes, on-arrival assistance, and pastoral care and advice on personal and learning related issues. The web site of GEO (http://www.cityu.edu.hk/geo/) contains useful information about studying in Hong Kong and at CityU.

9.3 *Student Visa/Entry Permit*

Full-time students from outside Hong Kong must obtain a student visa or an entry permit to study in Hong Kong.

A local sponsor is required for a student visa or entry permit application. The local sponsor can be a Hong Kong resident who is at least 18 years old or the University. The University will usually act as a student's local sponsor if an applicant is accepted by the University to take up full-time studies at the postgraduate level.

In accordance with the regulations of the Immigration Department in Hong Kong, students holding a student visa/an entry permit for studying in Hong Kong are allowed to undertake part-time paid employment during their stay in Hong Kong under stipulated conditions.

9.4 *Personal Accident and Medical Insurance / Travel Insurance*

It is mandatory for non-local students to purchase a personal accident and medical insurance/travel insurance policy during their study period at the University. For further information, please visit the website of the Global Engagement Office (GEO).

9.5 *Cost of Living*

The cost of living in Hong Kong is generally high, but the Studentship award should be sufficient to support students' daily living expenses. The estimated basic cost of living for a single student is around HK$10,000 per month to cover tuition fees, food, lodging and general living expenses, depending on the type of accommodation selected and level of living and personal expenses.

Introduction

It is critical that you submit your Research Proposal to an appropriate member of the College **prior to** making a formal application for admission into either the MPhil or PhD programme.

You should seek comments on your proposal draft by discussing it with a College member in the subject closest to the topic of your research/or the College member most likely to be involved in supervision.

While there are considerable differences in the approach to research among the various disciplines of the College, and prospective candidates should write in an appropriate manner for their discipline, there are some general guidelines which should be more or less adhered to.

Contents of the Research Proposal

The guiding principle for a good Research Proposal is that you must have a serious question in mind that is worthy of careful, thorough research. That is, you must be able to state a proposition (or a series of related propositions) which is worthy of detailed research and analysis.

The proposal should be written in English and include:

(a) A clear statement of the aims of the research and why it is a worthy and/or interesting topic.

(b) An outline of the research background of the topic, giving an overview of some current findings in the area, with references. From this background material it should be clear to a reader what the research problem is, and what theory, questions (hypotheses), or phenomena you wish to investigate.

(c) The methods you intend to apply to the research questions. For example, how you will collect your data, who might be the appropriate respondents, whether you will use an established data base, case studies, experimental methods, questionnaires, etc. It should be clear to a reader the methodology to be used, its source, and its appropriateness for the purpose of investigation.

(d) A brief summary.

(e) A list of works cited in your proposal.

The proposal should be around three pages and single-spaced, including a list of work cited.

It is likely that, in the process of conducting your research, details of the outline will be adjusted. That is, the statement of your research topic may be refined.

Introduction

To apply for admission to either the MPhil or PhD programmes at the School of Creative Media (SCM), each applicant is required to prepare a research proposal.

The proposal has to be written concisely and clearly to help the SCM School Graduate Studies Committee (SGSC) make a judicious decision regarding the research project. The applicant may consider the following aspects:

- Research topic, objectives and definitions;
- Relevance to the mission of the School;
- The state of the art in the proposed research;
- Its importance to the area of creative media;
- Research plan;
- The scope of the proposed research project.

It is highly recommended that you seek comments on your proposal by discussing it via email with a faculty member whose expertise is closest to the topic of your research/or the faculty member most likely to be involved in supervision before finalising it.

Contents of the Research Proposal

(a) Abstract

A clear statement of the aims of the research and why it is a worthy and/or interesting topic. You also need to briefly define your methodology.

(b) Introduction

An outline of the research background of the topic should give an overview of existing literature (critical discourses and similar studies), some current findings in the area, with references, and the intended research to be proposed. Setting out the background will help you to state clearly what you consider the research problem to be, what hypotheses you wish to test, and what conceptual paradigms you want to use.

(c) Literature Review

A detailed list of related research (publication date, page numbers, volumes and publishers, etc.) you have read and cited, with a brief assessment.

(d) Research Problems

From the background material stated above, it should be clear to a reader what the research problem is, and what theory, questions (hypotheses), or phenomena you wish to investigate.

(e) Methodology

You need to explain the method you intend to use in the research. It should be clear to a reader the methodology to be used, its sources, and its appropriateness for the purpose of investigation. For qualitative and critical research, the "methodology" section should also address the modelling process, theoretical debates and key concepts that would advance knowledge and inform the investigation.

For example, you may describe how to model the problem, what you would do differently from the more conventional methods, approaches that might lead to a better outcome, how to collect your data, who might be the appropriate respondents, whether you will use an established data base, case studies, experimental methods, open-ended interviews, semi-overt participant observation, archival data, etc.

(f) Relevant research experience

The applicants should explain their previous research experience, if any, in relevant areas.

(g) Bibliography/references

Length of the Research Proposal

Since the School is interdisciplinary in nature, we welcome applicants with backgrounds in media art or digital-media technology. All proposals should be typed, double-spaced with 12 pt. font size, and include a list of references cited.

(1) Media Art:
   a. For the MPhil degree programme, the proposal should be around 5-10 pages.
   b. For the PhD degree programme, the proposal should be around 10-20 pages.

(2) Media Technology:
   a. For the MPhil degree programme, the proposal should be around 3-5 pages.
   b. For the PhD degree programme, the proposal should be around 5-8 pages.

The applicant should be reminded that the proposal is only the first step toward a potential research degree. After being admitted, as with most research endeavours the candidate may have to adjust the actual details in the proposed research during the course of the programme, which will be a continuous process under the guidance of his/her supervisors.

Proposed Supervisor

Applicants are encouraged to contact a School's faculty member as the proposed supervisor by sending the CV and the research proposal via email to initiate discussion on research student supervision. Applicants should then put the name of the faculty member in the Online Admission System when they submit the applications.

Introduction

When submitting an application to the PhD programme at the School of Energy and Environment, each applicant is required to enclose a research statement, which demonstrates the applicant's knowledge in the area of interest and approach to developing research ideas for the programme.

If at all possible, the applicant is advised to seek comments on their statement by discussing it with the faculty member of the School whose expertise is closest to the topic of the research project or the faculty member is most likely to be involved in the supervision if the application is accepted. Applicant should indicate on his/her application form of his/her preferred supervisor.

Content of the Research Statement

The statement should be written in English and include the following items:

(a)   proposed title for the research;

(b)   objective(s) of the research;

(c)   background to the research idea including an overview of key scientific problems along with thoughts about relevant theory or hypotheses;

(d)   proposed approach for the research and the extent to which it needs laboratory work, field observations, modelling, data analysis or new theory; describing any methods that seems critical to the research;

(e)   expected outcomes of such research project in terms of novel science and perhaps broader societal impact.

Length of the Research Statement

The proposal should be typed, single-spaced with 12 point font size in no more than 2 pages to which a short list of pertinent references should be appended to the two pages.

The applicant should be reminded that the statement is only the first step toward a potential research degree. After being admitted, as with most research endeavours the candidate may have to adjust the actual details of any research during the course of the programme, which will be a continuous process under the guidance of his/her supervisors.

Introduction

To apply for admission to either the MPhil or PhD programmes offered by the School of Law (SLW), each applicant is required to prepare and submit a research proposal. A research proposal can best be described as a "roadmap" of the intended project. It must set out the various components of the problem in enough detail in order to guide the evaluator(s) through the underlying assumptions, problems, arguments, questions and basic literature that would enable the evaluator(s) to make an informed decision about the viability of the project. In a sense, the research proposal can also be described as a kind of distillation of the envisaged thesis; obviously without all the nuances, analyses, arguments and conclusions that would constitute the final work.

Applicants are advised to consult a faculty member at the School of Law with relevant expertise and/or research interests for comments on the proposal and to gauge that faculty member's availability and willingness to supervise the project. Applicants who have already published their academic work - e.g. book chapters or journal articles - are also encouraged to submit a representative publication together with their application materials.

Contents of the Research Proposal

It is useful to keep in mind, when making decisions about your research topic and when you design the research proposal, that ultimately, an MPhil thesis must make a substantial contribution to knowledge in the particular subject area while a PhD thesis must make a substantial original contribution to knowledge in the subject area concerned. For a PhD thesis (approx. 100,000 words) your study must demonstrate originality and a mere reproduction of existing knowledge will not be enough. And for an MPhil thesis (approx. 45,000 words), your contribution to the field of knowledge must be significant enough so as to demonstrate your research competency and command of the subject area. Applicants must therefore take care in choosing an appropriate research topic that will allow them to ultimately meet these criteria; a research topic that is relevant and warranting of further research, but is also narrow enough in scope to ensure the practical feasibility of the proposed study.

A research proposal usually includes the following key components, and is usually between 15 to 25 pages in length:

(a) *Title*

A working title for the proposed project (e.g. "A critical analysis of directors' fiduciary duties in comparative perspective").

(b) *Abstract*

A short, maximum 350 word summary of your research proposal.

(c) *Background / Literature Review / Theoretical Foundation*

A brief, but sufficiently detailed and comprehensive introduction outlining the general area of study and demonstrating your knowledge and competency in conversing about your subject area. This substantial part of the research proposal will therefore provide an overview of the existing literature and/or theory and current state of knowledge, as well as recent debates, controversies, and/or new developments in the selected field of study. In addition, specific shortcomings or problem areas in the subject area will also be highlighted in order to contextualise the research question(s) and objectives that the proposed research project will

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focus on. It is vital that the evaluator of the research proposal is convinced that the applicant is aware of the current debates in the subject area, and that the applicant has read widely and inquisitively in order to gain the necessary insight into the subject matter at hand. A good background and solid literature review presuppose thorough preparation, reading, and pre-study. This will also enable the applicant to position the research proposal in terms of schools of thought, methodological approaches, and a general theoretical context. The preliminary title may also inform this aspect, for instance "critical analysis", "comparative study", "historical analysis", etc.

(d) Research Question(s)

After having outlined your subject area, it is necessary to articulate the primary (and secondary) research question(s) that will guide the research activity. A good research question (or hypotheses) is clear and concise, and will serve as a golden thread throughout the thesis, leading to the conclusion or conclusions and final proposals/answers.

(e) Rational and Objectives

Explain why this research project is a worthy undertaking and important for the particular field of study. Also provide a clear statement of the objectives or aims of the research, in other words, what you intend to achieve and the contribution that your research will make. Since postgraduate research is not intended to only be a summary of existing literature, but also to add value, it is important to clearly justify the intended research project. The rational does not have to be the invention of a totally new theory. It can take many different forms, as long as it is clear that the research will add some value to the field of law.

(f) Research Methodology

A particularly important part of a research proposal relates to the research methods that you intend to use in considering and answering the research question(s). These research methods must be explained and justified in sufficient detail, and must be appropriate for the purpose of the research project, in other words, it must be appropriate in answering the research question(s) posed, and in achieving the research aims and objectives identified. The background, basic problem statement, and literature review (see point (c) above) must be formulated in conjunction with the methodology section, since the background and basic problem will inevitably inform the chosen methodology. For instance, a critical analysis necessitates a certain theoretical approach, while a historical or comparative study will obviously require comparative or historical methods. In natural sciences and many social sciences it is customary to elaborate extensively on methodology; an aspect often neglected in legal studies. While it is not necessary to write extensively on methodology in a legal studies research proposal, it is advisable to explain in clear terms how the research problem will be tackled and why the particular approach or approaches were chosen.

(g) Chapter Outline and Timeline

A preliminary chapter outline and timeline for the proposed research project. The chapter outline sketches the structure of your thesis by providing a list of chapter headings with a short explanation on the content of each chapter. The chapter outline should carefully be considered in order to reflect the flow and underlying argument of the thesis; building up to the final conclusion or recommendations.

The timeline provides a preliminary indication of the intended progress. Keep in mind the prescribed study periods for MPhil and PhD degree programmes: An MPhil degree normally takes 2 years to complete for full-time students and 4 years for part-time students. PhD students usually take 4 years full-time and 8 years part-time to complete the PhD programme.

(h) Bibliography

As a first step, list all the works cited in your proposal. Additionally, the bibliography of a research proposal is also indicative of whether the applicant is aware of the most important, and most recent primary and secondary sources of the subject area. Thus, the bibliography will normally include works read/cited and works that have been identified as potential sources. But the bibliography should not be seen as exhaustive, since the period of active writing may very well lead to the identification of new and additional sources.

A research proposal is an essential starting post for any research project, but it is also important to remember that the research process is dynamic, and it is therefore likely that adjustments and further refinements to the research proposal will transpire during the course of the research process.

The better the research proposal, the easier the writing process will be.

Please note: Applicants must write and submit their own work. Please ensure that you read through, and understand the City University of Hong Kong's Rules of Academic Honesty, available at http://www.cityu.edu.hk/provost/academic_honesty/rules_on_academic_honesty.htm
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MPhil Programme

1. MPhil candidates are required to take following courses; complete other relevant coursework, if any, as prescribed by their home departments and Qualifying Panels; and write a thesis.

    Year 1   SG8001   Teaching Students: First Steps (1 CU, Semester A/B), *and*
    Course(s) <u>from</u> home department of at least 4 credit units which shall include at least 2 credit units of research methodology or foundation course at postgraduate (R8) level

    Year 2   Course(s) <u>outside</u> home department but within CB of at least 3 credit units at postgraduate (R8) level

    CU: credit unit

2. Each candidate is required to submit a Qualifying Report within a specified period. Subject to satisfactory performance of the candidate in coursework and in Qualifying Report as assessed by the Qualifying Panel established for the candidate, the candidature will be confirmed. Once having been confirmed the MPhil candidature, the candidate will proceed to write the thesis.

PhD Programme

3. PhD candidates are required to take following courses; complete other relevant coursework, if any, as prescribed by their home departments and Qualifying Panels; and write a thesis:

    Year 1   SG8001   Teaching Students: First Steps (1 CU, Semester A/B), *and*
    Course(s) <u>from</u> home department of at least 4 credit units which shall include at least 2 credit units of research methodology or foundation course at postgraduate (R8) level

    Year 2   FB8905 Project (Thesis Proposal Defence) (6 CU, Summer Year 2 to Semester A Year 3), *and*
    Course(s) <u>outside</u> home department but within CB of at least 3 credit units at postgraduate (R8) level

    Year 3   FB8914 Doctoral Seminar (3 CU, Semester A)

    CU: credit unit

4. Full-time students have to sit for a common written Qualifying Examination administered by individual departments normally in the summer of Year 1. Its objective is to test students' knowledge of major subject areas of their research disciplines and their ability to integrate the theories and concepts learned from the taught courses, as well as in analysing and solving problems. Students who fail in the departmental common written qualifying examination are allowed to have at most one more attempt at the discretion of individual departments but all students must pass the degree examination the latest by 31 August of their second year of study. Those who cannot pass the examination by the corresponding deadline will be recommended for termination of study following the procedures stipulated by the University.

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5. Full-time students must complete the thesis proposal defence (FB8905 Project) conducted by a panel set up by their home department the latest by 31 December of their third year of study. Students who fail/obtain an "F" grade in the defence are allowed to have at most one more attempt at the discretion of the panel. If a second attempt is allowed, students must pass the defence the latest by 30 June of their third year of study. Those who cannot pass the thesis proposal defence will be recommended for termination of study following the procedures stipulated by the University.

6   Doctoral Seminar is concerned with general and cross-disciplinary business research and is a research seminar for all doctoral students particularly in their third year of study. Students joining this seminar are presumed to have completed significant amount of research at the doctoral level since they will need to present their research to the class for in-depth discussion. A primary objective is to broaden students' perspectives in contemporary business research. It also provides opportunities for students to acquire practical skills in managing their academic career.

7. The above course/examination schedule is catered for full-time MPhil/PhD candidates. For those pursuing part-time studies and admitted in mid-year, the schedule will need to be adjusted in consultation with their Qualifying Panels and individual home departments.

Guidelines on Monitoring Study Progress of Students in Taught Courses

8. To monitor the study progress of research degree students in their taught courses, the following guidelines will be adopted by the College as appropriate in addition to those stipulated by the University from time to time:

    Cumulative GPA   Recommendation
    (a) below 2.8   Warning letter will be issued to the student concerned
    (b) below 2.5   Suspension of studentship for a specified period (applicable to full-time students only)

Research Output

9. The College strongly encourages research degree students to provide evidence of scholarly work through publications which have been accepted or published by good quality journals during their candidature.