Curriculum Information Record for a Research Degree Programme

Jockey Club College of Veterinary Medicine and Life Sciences
Effective from Semester A 2023/2024
For Students Admitted with Catalogue Term
Semester A 2020/2021 and thereafter

This form is for completion by the College/School for research degree programme. The information provided on this form is the official record of the Programme. It will be used for City University's database, various City University publications (including websites) and documentation for students and others as required.

Please refer to the *Explanatory Notes* attached to this form on the various items of information required.

==

Part I

Programme Title (in English) :   Doctor of Philosophy

(in Chinese) :   哲學博士

Award Title (in English) :   Doctor of Philosophy

(in Chinese) :   哲學博士

Programme Aims

This programme aims to train and produce graduates with an understanding of advanced developments and highly marketable specialist skills in the disciplines of biology, biomedical sciences, veterinary medicine, and to meet local and regional requirements in the industrial, commercial, government or education sectors.

Programme Intended Learning Outcomes (PILOs)
(state what the student is expected to be able to do at the end of the programme according to a given standard of performance)

Upon successful completion of this Programme, students should be able to:

1. Develop intellectual competence necessary to successful academic and professional work.

2. Contribute to the generation and development of knowledge in their respective fields through independent, original, and innovative research.

3. Demonstrate specialist subject knowledge and a high level of transferrable skills with an emphasis on discovery-based element.

Part II Programme of Study

1.   Research Area(s) in which research students will be admitted to:

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

2.   Programme Core Courses: (at least 9 credits)

Course Code	Course Title	Level	Units Worth	Remarks
BMS8102	Frontiers in Biomedical Research	R8	2	
BMS8103	Advanced Cell and Molecular Biology	R8	3	
BMS8105	Biotherapy and Nanomedicine	R8	3	
BMS8106	Stem Cell and Regenerative Medicine	R8	3	
BMS8107	Cancer Biology and Precision Medicine	R8	3	
BMS8108	Advanced Neuroscience	R8	3	
BMS8110	Genomics and Bioinformatics	R8	3	
BMS8111	Immunology and Infectious Diseases	R8	3	
NS8001	Neuroscience Research Seminar	R8	3	
PH8001	Computational Biology, Experimental Design and Data Science	R8	3	
PH8002	Infectious Disease Epidemiology	R8	3	
PH5101	Introduction to Health Economics	P5	3	
PH5102	Introduction to Biostatistics in One Health	P5	3	
PH5103	Principles of One Health and Epidemiology	P5	3	
PH6201	Advanced Epidemiology	P6	3	

3.   Research Methodology and Ethics Course(s): (at least 2 credits)

Course Code	Course Title	Level	Units Worth	Remarks
BMS8001	Research Ethics and Methodology	R8	2	
NS5001	Research Methodology and Ethics	P5	3	

4.   Programme Electives: (at least 3 credits)

Course Code	Course Title	Level	Units Worth	Remarks
BMS8102	Frontiers in Biomedical Research	R8	2	
BMS8103	Advanced Cell and Molecular Biology	R8	3	
BMS8105	Biotherapy and Nanomedicine	R8	3	
BMS8106	Stem Cell and Regenerative Medicine	R8	3	
BMS8107	Cancer Biology and Precision Medicine	R8	3	
BMS8108	Advanced Neuroscience	R8	3	
BMS8110	Genomics and Bioinformatics	R8	3	
BMS8111	Immunology and Infectious Diseases	R8	3	
PH5101	Introduction to Health Economics	P5	3	
PH5102	Introduction to Biostatistics in One Health	P5	3	
PH5103	Principles of One Health and Epidemiology	P5	3	
PH6201	Advanced Epidemiology	P6	3	

Course Code	Course Title	Level	Units Worth	Remarks
PH8003	Communication Skills-Conference Organisation	R8	3	

5. Other Requirements:

Course Code	Course Title	Level	Units Worth	Remarks
SG8001	Teaching Students: First Steps	R8	1	The credit unit will not be counted towards the 14 credit units of minimum coursework requirements. To be completed in the first year of study.
--	Collaborative Institutional Training Initiative (CITI) programme	n/a	n/a	An online training course on research integrity. Compulsory for RPg students who admitted in 2018/19 and thereafter. To be completed in the first year of study. Details are available in SGS website.

6. Qualifying Examination:

PhD Students are required to pass a written Qualifying Examination within 10–24 months (full-time). It is an additional requirement on top of the existing Qualifying Report and Annual Progress Report assessment. A maximum of two attempts are allowed. Those students who cannot pass the Qualifying Examination will result in termination of study. A fixed timetable is set for students to take the Qualifying Examination. No schedule change is allowed under normal circumstances.

7. Qualifying/Annual Report Submission:

Students are required to submit

i.   Qualifying Report, of which assessment includes a compulsory oral examination, within 6 to 12 months (full-time) after commencement of their studies,

and

ii.   Annual Progress Reports
       on an annual basis after the qualifying period

in compliance with the regulations and guidelines set by SGS accessible via the Guidebook for Research Degree Studies on SGS website.

The College shall appoint a Qualifying Panel for each student upon his or her admission to the research degree programme. The Panel should consist of at least four faculty members. For the PhD programme developed in close collaboration with Cornell, a joint panel consisting of a supervisor from each of Cornell and CityU will be formed. The Panel will include the two supervisors with the CityU supervisor serving as the Panel Chair, an additional academic staff member, or members, from CityU, and a member, or members, from Cornell. The Panel's responsibility will be to supervise the student's study throughout his/her PhD candidature. The Panel should normally be required to prescribe coursework for students within one month from their commencement of studies. The Panel will monitor the student's study throughout his or her entire study period through assessing the qualifying report submitted by the student at regular intervals, assess the student's progress and performance by conducting an interview, oral examination or presentation for the purpose of confirmation of candidature.

8.   Thesis:

A PhD thesis should present the results of research investigation, give evidence of a sound understanding of the area of study, its context and applicability, make a contribution to knowledge and make a substantial original contribution to knowledge in the subject areas concerned. Students must submit a thesis for examination by the end of their normal study period or the stipulated study period. The thesis examination should include thesis assessment, an oral examination, and any other assessment arrangements required by the Panel of Examiners.

9.   Additional Notes:

Students should always refer to the Guidebook for Research Degree Studies available on SGS website for administrative and operational procedures related to research degree studies at the University. The Department may stipulate a higher standard on the requirements.

Prepared / Last Updated by

Name:	Dr Xin Deng	College/School:	Jockey Club College of Veterinary Medicine and Life Sciences
Phone/Email:	3442-5693/ xindeng@cityu.edu.hk	Date:	August 2022