Jockey Club College of Veterinary Medicine and Life Sciences
賽馬會動物醫學及生命科學院

Department of Biomedical Sciences
生物醫學系

CityU
香港城市大學
City University of Hong Kong

Master of Science in Health Sciences and Management

理學碩士（健康科學與管理）

Student Handbook
2023-2024

Master of Science in Health Sciences and Management

Student Handbook (2023 – 2024)

This Student Handbook is designed to provide students registered in the Department of Biomedical Sciences with an understanding of the nature of the programmes and with details of the contents. This handbook is subject to review from time to time. Students are advised to visit relevant websites for updated information. In the event of any discrepancy between the information on the University website and the contents of this handbook, the Department of Biomedical Sciences reserves the right of final decision and interpretation.

1. INTRODUCTION

Master of Science in Health Sciences and Management

理學碩士 (健康科學與管理)

With the projection of increasing aging population in Hong Kong and Mainland China, there is a huge demand on well-trained professionals in the health sciences and management, pharmaceutical and other health related industry.

This master's programme (MSHSM) is designed to equip students with academic knowledge and practical skills from the structured interdisciplinary training in biomedical/health sciences and management to work as managers, inspectors and engineers in pharmaceutical companies or health related organisations; technologist /scientists in health sciences and other related fields.

In addition, students will also be trained with hands-on research skills in Health Sciences and Management, those who are interested in biomedical research will be well equipped to further pursue Ph.D degree and develop their career in scientific research.

1.1 Programme Aims

a. To provide a professional education in the discipline of health sciences and management;

b. To upgrade existing biomedical studies' graduates with the knowledge in health sciences;

c. To prepare students with academic knowledge to become managers and engineers of pharmaceutical companies and health related organisations, and scientists or technicians in different research areas in life sciences and health related fields.

1.2 Programme Intended Learning Outcomes (PILOs)

- Acquire essential concepts and knowledge of advanced health sciences and management as well as across the boundaries of interdisciplinary disciplines;

- Develop social responsibility, critical thinking, sustained interest and management skills in healthcare and management, such as ageing, chronic diseases;

- Apply specialized knowledge to manage and/or solve problems that are critical to future growth of industry, business and social service in government-oriented and non-government organizations;

- Manage skillfully and work effectively with people possessing diverse educational and experiential backgrounds; and

- Apply interdisciplinary knowledge to develop abilities for the increasingly competitive and dynamically changing world market.

1.3 Career Prospects

This programme prepares its graduates for a range of careers in the large and interdisciplinary healthcare and management field. Graduates may work in different health services organizations or non-profit making groups, private insurance companies, public health or administration, hospitals, schools or government agencies.

Upon graduation, graduates can work in various areas, such as:

Family Health Services

- Health Services Specialist

- Operation Manager – Health Services / Clinic Services

- Specialist/Executive/Manager posts, including child health, woman health, maternal health and public health

Insurance / Consultancy Company

- Health / Medical Insurance Consultants

- Case Management Specialist

- Marketing Sales / Executive / Assistant Manager / Manager (Healthcare & Pharmaceutical / Health Policy Servicing)

- Manager, Product Development & Management (Health Care Products)

Education and Research

- Professionals/Lecturers in universities

- Investigators in universities and non-profit research institutes

- Scientists / researchers in pharmaceutical and biotechnology R&D industries

Government and Others

- Family Health Service

- Centre for Health Protection

- Department of Health

- Community Health Centres

2. Programme Curriculum

2.1 Programme Requirements and Courses List

Students are required to complete **30 credit units (CUs)** for graduation from this Master of Science in Health Sciences and Management (MSHSM) programme:

- **6 core courses (16 credits) + 3-5 elective courses (14 credits)**

MSHSM will be organized as an interdisciplinary programme among Department of Biomedical Sciences (BMS), Department of Systems Engineering (SYE), and Department of Management Sciences (MS).

Core Courses (16 credit units)

Course Code	Course Title	Level	CUs	Remarks
BMS5001A	Common Diseases and Management	P5	2	
BMS5007	Pharmacology Principles in Drug Discovery and Development	P5	3	
BMS5008	Fundamental and Advanced Multi-omics Research	P5	3	
BMS8102	Frontiers in Biomedical Research	P8	2	
BMS8105	Biotherapy and Nanomedicine	P8	3	
MS5411	Healthcare Management	P5	3	

Electives* (14 credit units)

Course Code	Course Title	Level	Credit Units	Remarks
BIOS5800	Probability	P5	3	Maximum: 5 quotas
BIOS5801	Statistical Computing	P5	3	Maximum: 5 quotas
BIOS6900	Time Series Analysis	P6	3	Maximum: 5 quotas
BMS5002	Infectious Disease Management	P5	3	Maximum: 35 quotas
BMS5004	Project Study in Management	P5	5	One Semester (Semester A or B) OR Maximum: Two Semesters (Semester A & B **OR** Semester B & Summer Semester)
BMS5006	Research Project Study in Biomedical Sciences and Life Sciences	P5	8	Semester A + B OR Semester B + Summer Term
BMS8106	Stem Cell and Regeneration Medicine	P8	3	Maximum: 25 quotas
BMS8107	Cancer Biology and Precision Medicine	P8	3	Maximum: 25 quotas

BMS8107A	Cancer Biology and Precision Medicine	P8	2	
BMS8110	Genomics and Bioinformatics	P8	3	Maximum: 25 quotas
BMS8111	Immunology and Infectious Diseases	P8	3	Maximum: 35 quotas
BMS8111A	Immunology and Infectious Diseases	P8	2	
MS5216	Decision Analytics	P5	3	Maximum: 5 quotas
MS5217	Statistical Data Analysis	P5	3	Maximum: 5 quotas
SYE5006	Operations Management	P5	3	Maximum: 5 quotas
SYE5010	Engineering Management Principles and Concepts	P5	3	Maximum: 5 quotas
SYE6009	Project Management	P6	3	Maximum: 5 quotas
SYE6012	Technological Innovation and Entrepreneurship	P6	3	
SYE6037	Managing Strategic Quality	P6	3	

*Remarks:

- Elective courses will be offered subject to sufficient enrolment.
- Courses offered by different departments might have timetable conflicts, please plan ahead for the courses to register.

2.2 Course Syllabus

You can download the course syllabus on the website of Taught Programme Catalogue:
https://www.cityu.edu.hk/catalogue/pg/202324/programme/MSHSM.htm

2.3 Mode of Attendance and Programme Duration

Combined mode[†], Self-financing

	Full-time Mode	Part-time Mode
Normal Study Period	1 year	2 years
Maximum Study Period	2.5 years	5 years

2.4 Tuition Fees

Local Student: HK$6,100 per credit (2023/2024)

Non-local Student: HK$6,100 per credit (2023/2024)

2.5 Medium of Instruction and Assessment

English

Note:

† Combined mode: Local students taking programmes in combined mode can attend full-time (12-18 credit units per semester) or part-time (no more than 11 credit units per semester) study in different semesters without seeking approval from the University. For non-local students, they will be admitted to these programmes for either full-time or part-time studies. Non-local students must maintain the required credit load for their full-time or part-time studies and any changes will require approval from the University.

2.6 CGPA Banding for Taught Postgraduate Award Classifications

Commencing from 2022/23 intake, students will be awarded the following classifications based on their CGPA attained upon completion of all appropriate graduation requirements.

Master's Degree	CGPA
Distinction	3.65 or above
Credit	3.30 – 3.64
Pass	2.85 – 3.29

2.7 Academic Regulations and Guidelines for Taught Postgraduate Degrees

Students should observe the University's related regulations and guidelines on assessment at all times. More information can be available by referring to the websites maintained by Chow Yei Ching School of Graduate Studies.

http://www.cityu.edu.hk/qac/assessment_policy/university_assessment_policy.htm

https://www.cityu.edu.hk/sgs/student/tpg/regulation

https://www.cityu.edu.hk/sgs/student/tpg/regulation/acadreg

2.8 Academic Honesty

Academic honesty is central to the conduct of academic work. Students are responsible for knowing and understanding the Rules on Academic Honesty. As part of the University's efforts to educate students about academic honesty, all students are required to complete an online tutorial, take on online quiz and fill out an online declaration **by 30 November for Semester A and summer admissions** in order to access their course grades online.

For details, please refer to the Office of the Provost's website: *http://www.cityu.edu.hk/provost/academic_honesty/university_requirment_on_academic_honesty.htm*

3. Information to New Students

3.1 Electronic Mail account for students (e-mail)

Information relevant to your studies will disseminate to you via your CityU student electronic mail. You should check your e-mail account frequently for the messages and updates news announced by the University and Department. You are also encouraged to communicate with Programme leaders, Course leaders and lecturers through e-mail. Please state your name, student number and contact telephone number in your emails clearly.

To learn more about the student email services, please visit the following website: www.cityu.edu.hk/csc/deptweb/services/email.htm

3.2 Canvas (e-Learning Platform)

Students are encouraged to use the Canvas, an e-learning platform, to communicate with the Course instructors/leaders, as well as among their fellow classmates. The Canvas also serves as the platform for instructors to disseminate course-related information to students.

Canvas and other e-Learning information: www.cityu.edu.hk/elearn/elearn_stud.html

3.3 CityU Announcement Portal (CAP) at Student Intranet

Please check the CityU Announcement Portal (CAP) **EVERYDAY** for the announcements from the University, your College and your Department. A Daily announcement digest (summary) will send to you by email everyday.

CAP: https://www.cityu.edu.hk/portal > CAP (after log-in)

You may also download the "CAP App" which you can download from the iOS and the Android apps stores.

3.4 How to Check your Personal Class Schedule

i) Login AIMS. (CityU Homepage>Quick Links>AIMS)
ii) Click "Course Registration" menu.
iii) Click "My Detail Schedule" to display details of your class schedule.

3.5 How to get Instructors' handouts through Canvas

i) Log on to Canvas. (CityU Homepage>Quick Links>Canvas)
ii) Click "My Courses".
iii) Click " Files ".

3.6 Postgraduate Course Registration for Semester A 2023/24

For Semester A 2022-2023, students will be pre-registered in required courses and programme electives in most cases if possible.

The date for release of your class schedule is **25 July 2023**. Please check your curriculum requirements, review your study plan and then make appropriate adjustments to your pre-registered courses.

Add/Drop of courses can be made through AIMS for web-enabled courses during the web registration period. For non-web-enabled courses, approval is required from the major department and you can submit your change request by using the Add/Drop Form in AIMS. You are also advised to visit https://www.cityu.edu.hk/sgs/student/tpg/coursereg for course registration details

For courses which are web-enabled:

Add/drops can be performed during the web registration period **28 August - 11 September 2023.**

Registration time tickets are assigned to space out students so that they will not be logging in at the same time for web registration. Students can check their personal registration time tickets in AIMS for the assigned start time of web registration from **15 August 2023**.

For courses which are not web-enabled:

For courses which are not web-enabled, students can use the **Add/Drop Form** in AIMS from **14 August - 11 September 2023** to submit change requests to the home academic unit for approval. (An integrated electronic form, replacing the paper forms for course add/drop and study load adjustment, will be available for use. Details can be found here.)

3.7 Credit Transfer

Applications for credit transfer must be made before a semester begins. For **Semester A 2023/24**, the application period is **from 13 July to 1 September 2023**. For details, please refer to SGS website: Credit Transfer | Chow Yei Ching School of Graduate Studies (cityu.edu.hk)

4. Other Information for Taught Postgraduate Students

4.1 Information for Taught Postgraduate Students

Please check for the information and updates announced by SGS on:

https://www.sgs.cityu.edu.hk/student/tpg/

4.2 Forms for Taught Postgraduate Students

The forms of applying certifications or change of personal information can find on the SGS webpage: https://www.sgs.cityu.edu.hk/student/form/TPg

4.3 BMS Department Website

You can access to BMS Department website at https://www.cityu.edu.hk/bms/ for more information and updates of our Department.

4.4 Useful Websites

Chow Yei Ching School of Graduate Studies (SGS)

https://www.sgs.cityu.edu.hk/

Jockey Club College of Veterinary Medicine and Life Sciences

https://www.cityu.edu.hk/jcc/

Department of Systems Engineering

https://www.cityu.edu.hk/sye/

Department of Management Sciences

https://www.cb.cityu.edu.hk/ms/

Creating a Sexual Harassment-Free Campus

http://www.cityu.edu.hk/cash/cityu_sexual_harassment.htm

Preventing Sexual Harassment Tutorial

https://www.cityu.edu.hk/cash/studentlan/Online_Tutorial/

5. Communication

Students are encouraged to discuss any of their problems or issues related to the courses, assessments and programme with our Programme Leader and Course Lecturers freely. Please contact the General Office if you need any administrative support related to your studies.

Specifically, the following communication channels between students and the department are recommended:

i) Students who are having academic difficulties with a course should speak directly to the Lecturer of that course.

ii) A student who wishes to discuss the overall organization of the programme should speak to the Programme Leader or his/her deputy.

 iii) A formal consultative process between students and staff exists in the department in the form of a Joint Staff & Student Consultative Committee (JSSCC). One student from each year will be elected to sit in the JSSCC Committee.

5.1 Programme Leader

Position	Staff Name	Tel.	Email
Programme Leader	Prof Mingliang He	3442-2292	minglihe@cityu.edu.hk
Deputy Programme Leader	Prof Xi Yao	3442-4829	xi.yao@cityu.edu.hk

5.2 Administrative Support from BMS General Office

BMS General Office

Address
1A-101, 1/F, Block 1A, To Yuen Building

Office Hours
Monday - Friday	9:00 am – 5:30 pm
Lunch Break	12:30 pm – 2:00 pm
Saturday, Sunday & Public Holidays	Closed

Enquiry

	Email
MSc in Health Sciences & Management	bms.tpg@cityu.edu.hk
General Enquiries	bms.go@cityu.edu.hk

Fax
3442-0549

Appendix 1: Academic Calendar 2023/24

Semester A 2023/24

Week	S	M	T	W	T	F	S	Events	Public Holidays
						Sep-23		**Semester A 2023/24**	
						1	2		
WK 1	3	4	5	6	7	8	9	**4 Sept - 2 Dec Teaching Period**	
WK 2	10	11	12	13	14	15	16		
WK 3	17	18	19	20	21	22	23		
WK 4	24	25	26	27	28	29	30		**30** Day following Mid-Autumn Festival
						Oct-23			
WK 5	1	2	3	4	5	6	7	**3** Graduation Date	**2** Day following National Day
WK 6	8	9	10	11	12	13	14		
WK 7	15	16	17	18	19	20	21		
WK 8	22	23	24	25	26	27	28		**23** Chung Yeung Festival
WK 9	29	30	31						
						Nov-23			
WK 9				1	2	3	4		
WK 10	5	6	7	8	9	10	11		
WK 11	12	13	14	15	16	17	18		
WK 12	19	20	21	22	23	24	25		
WK 13	26	27	28	29	30				
						Dec-23			
WK 13						1	2	**2** Last Day of Teaching	
	3	4	5	6	7	8	9	**4 - 9** Student Revision Period	
	10	11	12	13	14	15	16	**11 - 23** Examination Period	
	17	18	19	20	21	22	23		
	24	25	26	27	28	29	30	**25 Dec 2023 - 13 Jan 2024** Semester Break	**25** Christmas Day
	31								**26** Day following Christmas Day

Semester B 2023/24

Week	S	M	T	W	T	F	S	Events	Public Holidays
								Jan-24	
								Semester B 2023/24	
		1	2	3	4	5	6		**1** First Day of January
	7	8	9	10	11	12	13		
WK 1	14	15	16	17	18	19	20	**15 Jan - 20 Apr** Teaching Period	
WK 2	21	22	23	24	25	26	27		
WK 3	28	29	30	31					
								Feb-24	
WK 3					1	2	3	**1** Graduation Date	
WK 4	4	5	6	7	8	9	10	**9 - 15** Lunar New Year Break	**10 - 13** Lunar New Year Holidays
	11	12	13	14	15	16	17		
WK 5	18	19	20	21	22	23	24		
WK 6	25	26	27	28	29				
								Mar-24	
WK 6						1	2		
WK 7	3	4	5	6	7	8	9		
WK 8	10	11	12	13	14	15	16		
WK 9	17	18	19	20	21	22	23		
WK 10	24	25	26	27	28	29	30		**29** Good Friday
WK 11	31								**30** Day following Good Friday
								Apr-24	
WK 11		1	2	3	4	5	6		**1** Easter Monday
WK 12	7	8	9	10	11	12	13		**4** Ching Ming Festival
WK 13	14	15	16	17	18	19	20	**20** Last Day of Teaching	
	21	22	23	24	25	26	27	**22 - 27** Student Revision Period	
	28	29	30					**29 Apr - 13 May** Examination Period	
								May-24	
				1	2	3	4		**1** Labour Day
	5	6	7	8	9	10	11		
	12	13	14	15	16	17	18	**14 May - 8 Jun** Semester Break	**15** Buddha's Birthday
	19	20	21	22	23	24	25		
	26	27	28	29	30	31			

Summer Term 2024

Week	S	M	T	W	T	F	S	Events	Public Holidays
								Jun-24	**Summer Term 2024**	
							1		
	2	3	4	5	6	7	8	**3** Graduation Date	
WK 1	**9**	**10**	11	12	13	14	15	**11 Jun - 27 Jul** Teaching Period	**10** Tuen Ng Festival
WK 2	**16**	17	18	19	20	21	22		
WK 3	**23**	24	25	26	27	28	29		
WK 4	**30**								
								Jul-24	
WK 4		**1**	2	3	4	5	6		**1** HK SAR Establishment Day
WK 5	**7**	8	9	10	11	12	13		
WK 6	**14**	15	16	17	18	19	20		
WK 7	**21**	22	23	24	25	26	27	**27** Last Day of Teaching	
	28	29	30	31				**29 Jul - 3 Aug** Student Revision Period	
								Aug-24	
					1	2	3		
	4	5	6	7	8	9	10	**5 - 10** Examination Period	
	11	12	13	14	15	16	17	**12 - 31** Term Break	
	18	19	20	21	22	23	24		
	25	26	27	28	29	30	31		

Appendix 2

Suggested Study Path for MSHSM 2023-2024 (1 Year Full-time)

Study Plan A - for those who would like to take BMS5006 (Research Project Study)

Year	Sem.	Courses				CUs
1	A	BMS8105 Biotherapy and Nanomedicine (3 CUs)	BMS5007 Pharmacology Principles in Drug Discovery and Development (3 CUs)	BMS8102 Frontiers in Biomedical Research (2 CUs)	BMS5006 Research Project Study in Biomedical Sciences and Life Sciences (8 CUs)	16
	B	BMS5001A Common Diseases and Management (2 CUs)	BMS5008 Fundamental and Advanced Multi-omics Research (3 CUs)	MS5411 Healthcare Management (3 CUs)	Elective from BIOS/BMS/MS/SYE Department (6 CUs)	14
					Total:	30 CUs

Study Plan B

Year	Sem.	Courses				CUs
1	A	BMS8105 Biotherapy and Nanomedicine (3 CUs)	BMS5007 Pharmacology Principles in Drug Discovery and Development (3 CUs)	BMS8102 Frontiers in Biomedical Research (2 CUs)	Elective from BIOS/BMS/MS/SYE Department (6 CUs)	14
	B	BMS5001A Common Diseases and Management (2 CUs)	BMS5008 Fundamental and Advanced Multi-omics Research (3 CUs)	MS5411 Healthcare Management (3 CUs)	Elective from BIOS/BMS/MS/SYE Department (8 CUs)	16
					Total:	30 CUs

Elective courses in Semester A:

- BIOS5800 Probability (3 CUs)
- BIOS5801 Statistical Computing (3 CUs)
- BMS5002 Infectious Disease Management (3 CUs)
- BMS5004 Project Study in Management (5 CUs)
- BMS5006 Research Project Study in Biomedical Sciences and Life (8 CUs)
- BMS8106 Stem Cell and Regeneration Medicine (3 CUs)
- BMS8110 Genomics and Bioinformatics (3 CUs)
- MS5216 Decision Analytics (3 CUs)
- MS5217 Statistical Data Analysis (3 CUs)
- SYE5006 Operations Management (3 CUs)
- SYE5010 Engineering Management Principles and Concepts (3 CUs)

Elective courses in Semester B:

- BIOS6900 Time Series Analysis (3 CUs)
- BMS5004 Project Study in Management (5 CUs)
- BMS5006 Research Project Study in Biomedical Sciences and Life (8 CUs)
- BMS8107 Cancer Biology and Precision Medicine (3 CUs)
- BMS8107A Cancer Biology and Precision Medicine (2 CUs)
- BMS8111 Immunology and Infectious Diseases (3 CUs)
- BMS8111A Immunology and Infectious Diseases (2 CUs)
- SYE6009 Project Management (3 CUs)
- SYE6012 Technological Innovation and Entrepreneurship (3 CUs)
- SYE6037 Managing Strategic Quality (3 CUs)

Remarks: For Full-time Student only

* BMS5004 Project Study in Management and BMS5006 Research Project Study in Biomedical Sciences and Life will normally last for a maximum of two semesters to complete in Semester A and Semester B OR Semester B and Summer Term.

Notes:

- Elective courses will be offered subject to sufficient enrolment.

- Courses offered by different departments might have timetable conflicts, please plan ahead for the courses to register.

Suggested Study Path for MSHSM 2023-2024 (2 Years Part-time)

Year	Sem.	Courses		CUs
1	A	BMS8105 Biotherapy and Nanomedicine (3 CUs)	BMS5007 Pharmacology Principles in Drug Discovery and Development (3 CUs)	**6**
	B	MS5411 Healthcare Management (3 CUs)	BMS5008 Fundamental and Advanced Multi-omics Research (3 CUs)	**6**
2	A	BMS8102 Frontiers in Biomedical Research (2 CUs)	Elective from BIOS/BMS/MS/SYE Department (8 CUs) OR BMS5006 Research Project Study in Biomedical Sciences and Life Sciences (8 CUs)	**10**
	B	BMS5001A Common Diseases and Management (2 CUs)	Elective from BIOS/BMS/MS/SYE Department (6 CUs)	**8**
			Total:	**30 CUs**

Elective courses in Semester A:

- BIOS5800 Probability (3 CUs)
- BIOS5801 Statistical Computing (3 CUs)
- BMS5002 Infectious Disease Management (3 CUs)
- BMS5004 Project Study in Management (5 CUs)
- BMS5006 Research Project Study in Biomedical Sciences and Life (8 CUs)
- BMS8106 Stem Cell and Regeneration Medicine (3 CUs)
- BMS8110 Genomics and Bioinformatics (3 CUs)
- MS5216 Decision Analytics (3 CUs)
- MS5217 Statistical Data Analysis (3 CUs)
- SYE5006 Operations Management (3 CUs)
- SYE5010 Engineering Management Principles and Concepts (3 CUs)

Elective courses in Semester B:

- BIOS6900 Time Series Analysis (3 CUs)
- BMS5004 Project Study in Management (5 CUs)
- BMS5006 Research Project Study in Biomedical Sciences and Life (8 CUs)
- BMS8107 Cancer Biology and Precision Medicine (3 CUs)
- BMS8107A Cancer Biology and Precision Medicine (2 CUs)
- BMS8111 Immunology and Infectious Diseases (3 CUs)
- BMS8111A Immunology and Infectious Diseases (2 CUs)
- SYE6009 Project Management (3 CUs)
- SYE6012 Technological Innovation and Entrepreneurship (3 CUs)
- SYE6037 Managing Strategic Quality (3 CUs)

Remarks: For Part-time Students

∗ BMS5004 Project Study in Management and BMS5006 Research Project Study in Biomedical Sciences and Life will normally last for a maximum of two semesters to complete in Semester A and Semester B OR Semester B and Summer Term.

Notes:

- Elective courses will be offered subject to sufficient enrolment.
- Courses offered by different departments might have timetable conflicts, please plan ahead for the courses to register.

+ If part-time students would wish to complete the MSHSM programme for more than 2 years or having other study plans than the above option A & B, please send email to us at bms.tpg@cityu.edu.hk to discuss.