



**Master of Medical Sciences Core Courses Timetable 2019-2020**

Course Code	Course Name	Date	Time
<b>SEMESTER 1</b>			
MMSC6002	Induction Course: Clinical Trials and Biostatistics (Compulsory)	02.09.2019 (Mon)	19:00-21:30
MMSC6001: A-C	Induction Course: Dissertation Writing (compulsory)-Group A, B & C	16.01.2020 (Thu) 06 & 13.02.2020 (Thu)	18:30-21:00
MMSC6001: D	Induction Course: Dissertation Writing (compulsory)-Group D	09 & 16.01.2020 (Thu) 06.02.2020 (Thu)	18:30-21:00
SBMS7100	Practical Bioinformatics	03.09.2019-26.11.2019 (Tue)	18:30-20:30
PHAR6100	Principles of Drug Action	04.09.2019-20.11.2019 (Wed)	18:30-20:30
PATH6600	Fundamentals of Common Human Diseases	05.09.2019-07.11.2019 (Thu)	18:30-20:30
MEDI6500	Cell Metabolism	06.09.2019-22.11.2019 (Fri)	18:30-20:30
CMED7100	Introduction to Biostatistics	07.09.2019-30.11.2019 (Sat)	08:30-10:30
CMED7200	Introduction to Epidemiology	07.09.2019-30.11.2019 (Sat)	10:50-12:50
PATH6100	Laboratory Methods and Instrumentation	07.09.2019-23.11.2019 (Sat)	14:00-16:00
PATH6300	General Cytopathology	09.09.2019-11.11.2019 (Mon) 16.09.2019 (Mon)	18:30-20:30 18:30-22:30
<b>SEMESTER 2</b>			
SURG6910	Laboratory Animal Handling and Surgical Techniques	08.02.2020-21.03.2020 (Sat)	09:00-11:45 / 09:00-12:00
SBMS7500	Advanced Cell Biology ( <b>To be re-scheduled</b> )	<del>10.02.2020-11.05.2020 (Mon)</del>	18:30-20:30
SBMS7200	Genes and Gene Functions in Diseases	11.02.2020-30.04.2020 (Tue)	18:30-20:30
PATH6700	Recent Advances in Cancer Biology	12.02.2020-15.04.2020 (Wed)	18:30-20:30
PHAR7300	Therapeutic Antibodies	15.02.2020 (Sat) 20.02.2020-16.04.2020 (Thu)	09:30-11:30 18:30-20:30
SBMS7600	Integrative Perspectives of Body Functions ( <b>To be re-scheduled</b> )	<del>14.02.2020-15.05.2020 (Fri)</del>	18:30-20:30
PATH6500	Practical Course in Laboratory Methods	18.04.2020-09.05.2020 (Sat)	09:00-12:00 13:00-15:00

- Notes:
- Change(s) to the selection of Core and Specialised Courses will only be allowed before the end of September each year. At least one Core Course should be selected from either of the two main sections, i.e. Research Methods and Biological Systems.
  - All students admitted in 2019-2020 are required to attend the Orientation and Induction Courses.
  - The timetable is subject to change without further notice, please kindly check the latest timetable before commencement of classes at [http://www.med.hku.hk/images/document/03edu/taught/mmedscr\\_timetable.pdf](http://www.med.hku.hk/images/document/03edu/taught/mmedscr_timetable.pdf).



**Master of Medical Sciences Core Courses Examination Timetable 2019-2020**  
(to be taken by MMedSc/MPhil/PhD/MRes[Med] Candidates)

Core Course	Time	Date	Exam Arrangement
<b>SEMESTER 1</b>			
CMED6100/CMED7100/MMPH6002 Introduction to Biostatistics	9:30 am – 11:30 am	Saturday, December 07, 2019	Online Exam via Moodle
CMED6200/CMED7200/MMPH6003 Introduction to Epidemiology	9:30 am – 11:30 am	Saturday, December 14, 2019	Online Exam via Moodle
MEDI6500/MMPH6196 Cell Metabolism	10:30 am – 12:30 pm	Monday, December 9, 2019	T2 Underground Lecture Theatre, LG 1/F, New Clinical Building, Queen Mary Hospital
SBMS7100/MMPH6005 Practical Bioinformatics	2:30 pm – 4:30 pm	Monday, December 9, 2019	Online Exam via Moodle
PATH6100/MMPH6001 Laboratory Methods and Instrumentation	9:30 am – 11:30 am	Tuesday, December 10, 2019	T1 Underground Lecture Theatre, LG 1/F, New Clinical Building, Queen Mary Hospital
PATH6300/MMPH6016 General Cytopathology	2:30 pm – 4:30 pm	Tuesday, December 10, 2019	T1 Underground Lecture Theatre, LG 1/F, New Clinical Building, Queen Mary Hospital
PATH6600 Fundamentals of Common Human Diseases	2:30 pm – 4:30 pm	Thursday, December 12, 2019	T1 Underground Lecture Theatre, LG 1/F, New Clinical Building, Queen Mary Hospital
PHAR6100/MMPH6127 Principles of Drug Action	2:30 pm – 4:30 pm	Wednesday, December 11, 2019	T1 Underground Lecture Theatre, LG 1/F, New Clinical Building, Queen Mary Hospital

Core Course	Time	Date	Venue
<b>SEMESTER 2</b>			
PATH6500 Practical Course in Laboratory Methods	9:30 am – 11:30 am	Monday, May 25, 2020	TBC, HKU Main Campus
PATH6700 Recent Advances in Cancer Biology	2:30 pm – 4:30 pm	Monday, May 25, 2020	TBC, HKU Main Campus
PHAR7300 Therapeutic Antibodies	9:30 am – 11:30 am	Tuesday, May 26, 2020	TBC, HKU Main Campus
SBMS7200/MMPH6008 Genes and Gene Functions in Diseases	<del>2:30 pm – 4:30 pm</del>	<b>To be re-scheduled</b> <del>Tuesday, May 26, 2020</del>	TBC, HKU Main Campus
SBMS7500/MMPH6007 Advanced Cell Biology	<del>9:30 am – 11:30 am</del>	<b>To be re-scheduled</b> <del>Wednesday, May 27, 2020</del>	TBC, HKU Main Campus
SBMS7600/MMPH6009 Integrative Perspectives of Body Functions	<del>2:30 pm – 4:30 pm</del>	<b>To be re-scheduled</b> <del>Wednesday, May 27, 2020</del>	TBC, HKU Main Campus
SURG6910/MMPH6138 Laboratory Animal Handling and Surgical Techniques	9:30 am – 11:30 am	Thursday, May 28, 2020	TBC, HKU Main Campus

**MMSC6002 Induction Course: Clinical Trials and Biostatistics (Compulsory)**

Course Coordinator(s) : Dr Helen Zhi, School of Public Health

(Tel no.: 3917 6706; Email: [hzhi@hku.hk](mailto:hzhi@hku.hk))

Lecture Venue : Lecture Theatre 3, G/F, William M.W. Mong Block, 21 Sassoon Road

<b><u>Date</u></b>	<b><u>Time</u></b>	<b><u>Lecture Topic</u></b>	<b><u>Lecturer</u></b>
02.09.2019 (Mon)	19:00-21:30	Basic clinical trial designs, protocol development, basic data analysis method, data interpretation	Dr Helen Zhi

Note: Compulsory course. There will be no examination for the induction course, but students must attend all the lectures to satisfy the course requirement.

<b>MMSC6001 Induction Course: Dissertation Writing (Compulsory) Semester 1</b>
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Course Coordinator(s) : Ms. Laura Wakeland, Centre for Applied English Studies  
(Tel no.: 3917 4035; Email: [wakeland@hku.hk](mailto:wakeland@hku.hk))

Lecture Venue **Group A:** Room 1-01, 1/F, Pauline Chan Building, 10 Sassoon Road  
**Group B:** Room 1-02, 1/F, Pauline Chan Building, 10 Sassoon Road  
**Group C:** Room 1-04, 1/F, Pauline Chan Building, 10 Sassoon Road

<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer(s)</u>
16.01.2020 (Thu)	18:30-21:00	Communicative success in reporting research <ul style="list-style-type: none"> <li>• research as communication</li> <li>• features of scientific/research language</li> <li>• signposting to guide the reader</li> </ul>	Group A: Ms Laura Wakeland Group B: Mr Simon Scanlon Group C: Dr Daya Datwani
06.02.2020 (Thu)	18:30-21:00	Structure of dissertations <ul style="list-style-type: none"> <li>• IMRAD formula</li> <li>• Introduction: stating research gap and research questions</li> <li>• Discussion: making claims about research findings</li> </ul>	Group A: Ms Laura Wakeland Group B: Mr Simon Scanlon Group C: Dr Daya Datwani
13.02.2020 (Thu)	18:30-21:00	Research ethics and citing research <ul style="list-style-type: none"> <li>• referring to current knowledge</li> <li>• paraphrasing without plagiarizing</li> </ul>	Group A: Ms Laura Wakeland Group B: Mr Simon Scanlon Group C: Dr Daya Datwani

Lecture Venue **Group D:** Seminar Room 4, G/F, Laboratory Block, 21 Sassoon Road

<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer(s)</u>
09.01.2020 (Thu)	18:30-21:00	Communicative success in reporting research <ul style="list-style-type: none"> <li>• research as communication</li> <li>• features of scientific/research language</li> <li>• signposting to guide the reader</li> </ul>	Group D: Mr Simon Boynton
16.01.2020 (Thu)	18:30-21:00	Structure of dissertations <ul style="list-style-type: none"> <li>• IMRAD formula</li> <li>• Introduction: stating research gap and research questions</li> <li>• Discussion: making claims about research findings</li> </ul>	Group D: Mr Simon Boynton
06.02.2020 (Thu)	18:30-21:00	Research ethics and citing research <ul style="list-style-type: none"> <li>• referring to current knowledge</li> <li>• paraphrasing without plagiarizing</li> </ul>	Group D: Mr Simon Boynton

**Note:** This is a Compulsory course. There will be no examination, but students must attend all lectures to satisfy course requirement. Students who do not fulfil this requirement will be asked to retake the entire course.

<b>SBMS7100 Practical Bioinformatics (Semester 1)</b>
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Core Course Coordinator(s) : Dr BCW Wong, School of Biomedical Sciences  
(Tel no.: 3917 6807; Email: [bcwwong@hku.hk](mailto:bcwwong@hku.hk))

Lecture Venue Lecture Theatre 4, G/F, William M.W. Mong Block, 21 Sassoon Road  
^ Lecture Theatre 1, G/F, William M.W. Mong Block, 21 Sassoon Road

Exam Arrangement : **Monday, December 9, 2019 (14:30 – 16:30 pm)**  
**Online Exam via Moodle**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	03.09.2019 (Tue)^	18:30-20:30	Biological databases; Information retrieval: Entrez	Dr BCW Wong
2	10.09.2019 (Tue)	18:30-20:30	Pair-wise sequence alignment: dotplot and dynamic programming	Dr BCW Wong
3	17.09.2019 (Tue)	18:30-20:30	Sequence database searches: BLAST, FASTA	Dr BCW Wong
4	24.09.2019 (Tue)	18:30-20:30	Multiple Sequence Alignment	Dr BCW Wong
5	08.10.2019 (Tue)^ <i>- cancelled</i>	18:30-20:30	Introduction to Genome Informatics	Dr JWH Wong Dr R Jauch
6	15.10.2019 (Tue)^	18:30-20:30	Introduction to Genome Informatics	Dr JWH Wong Dr R Jauch
7	22.10.2019 (Tue)^	18:30-20:30	Introduction to using Linux	Dr JWH Wong Dr R Jauch
8	29.10.2019 (Tue)^	18:30-20:30	NGS sequence alignment	Dr JWH Wong Dr R Jauch
9	05.11.2019 (Tue)^	18:30-20:30	Variant calling and annotation	Dr JWH Wong
10	12.11.2019 (Tue)	18:30-20:30	Phylogenetics: Theory	Dr TTY Lam
11	19.11.2019 (Tue)	18:30-20:30	Phylogenetics: Algorithms	Dr TTY Lam
12	26.11.2019 (Tue)	18:30-20:30	Phylogenetics: Advanced methods/ Applications	Dr TTY Lam

<b>PHAR6100 Principles of Drug Action (Semester 1)</b>
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Core Course Coordinator(s) : Dr CWH Woo, Department of Pharmacology and Pharmacy  
(Tel no.: 3917 9033; Email: [cwhwoo@hku.hk](mailto:cwhwoo@hku.hk))

Lecture Venue : Lecture Theatre 4, G/F, William M.W. Mong Block, 21 Sassoon Road  
\* Knowledge Hub, Yu Chun Keung Medical Library

**Exam Date and Venue : Wednesday, December 11, 2019 (14:30 – 16:30 pm)**  
**T1 Underground Lecture Theatre, LG 1/F, New Clinical Building, Queen Mary Hospital**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	04.09.2019 (Wed)	18:30-20:30	The theoretical basis of dose-response relationships	Dr SWS Leung
2	11.09.2019 (Wed)*	18:30-20:30	Dose-response relationships	Dr SWS Leung
3	18.09.2019 (Wed)	18:30-20:30	The fate of drugs in the body: their absorption, distribution, excretion and metabolism I	Dr JKS Ko
4	25.09.2019 (Wed)	18:30-20:30	The fate of drugs in the body: their absorption, distribution, excretion and metabolism II	Dr JKS Ko
5	02.10.2019 (Wed)	18:30-20:30	The development of drug tolerance, physical dependence and resistance	Dr GPH Leung
6	09.10.2019 (Wed)	18:30-20:30	The adverse effects of drugs and the mechanisms responsible	Dr JKS Ko
7	16.10.2019 (Wed)	18:30-20:30	Molecular interactions between drugs and receptors I	Dr CWH Woo
8	23.10.2019 (Wed)	18:30-20:30	Molecular interactions between drugs and receptors II	Dr CWH Woo
9	30.10.2019 (Wed)	18:30-20:30	Mechanisms of drug interactions	Dr CWH Woo
10	06.11.2019 (Wed)	18:30-20:30	Immunological reactions to drugs	Prof Y Wang
11	13.11.2019 (Wed)	18:30-20:30	Pharmacogenetics & pharmacogenomics	Prof Y Wang
12	20.11.2019 (Wed)*	18:30-20:30	Genetic polymorphism and drug metabolism	Dr CWH Woo

Notes to ALL candidates:

- Students are required to hand in their CAL laboratory reports to the **Collecting Box** of Department of Pharmacology and Pharmacy (Laboratory Block, 2/F, Lift Lobby) two weeks after the session.
- Students are required to hand in their essays to the **Collecting Box** of Department of Pharmacology and Pharmacy (Laboratory Block, 2/F, Lift Lobby) by the end of Nov 2019.

<b>PATH6600 Fundamentals of Common Human Diseases (Semester 1)</b>
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Core Course Coordinator(s) : Dr RCL Lo, Department of Pathology  
(Tel no.: 2255 2688; Email: [reginalo@pathology.hku.hk](mailto:reginalo@pathology.hku.hk))  
Dr PPC Ip, Department of Pathology  
(Tel no.: 2255 2686; Email: [philipip@pathology.hku.hk](mailto:philipip@pathology.hku.hk))

Lecture Venue : Room 06-035, 6/F, Block T, Queen Mary Hospital

**Exam Date and Venue : Thursday, December 12, 2019 (14:30 – 16:30 pm)**  
**T1 Underground Lecture Theatre, LG 1/F, New Clinical Building, Queen Mary Hospital**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	05.09.2019 (Thu)	18:30-20:30	Introduction to pathology and Immunology	Dr RWC Wong & Dr RWK Ip
2	12.09.2019 (Thu)	18:30-20:30	Global burden of disease	Dr DSY Ho
3	19.09.2019 (Thu)	18:30-20:30	Common diseases of genital tract & case illustrations	Prof Annie NY Cheung & Dr PPC Ip
4	26.09.2019 (Thu)	18:30-20:30	Anaemia – What, Why and How? Case illustration on anaemia	Dr CF Sin
5	03.10.2019 (Thu)	18:30-20:30	Cardiovascular diseases & case illustrations Modalities of radiological imaging for diagnosis and management of human diseases	Prof JM Nicholls Dr KWH Chiu
6	10.10.2019 (Thu)	18:30-20:30	Common diseases of the gastrointestinal tract	Prof IOL Ng & Dr RCL Lo
7	17.10.2019 (Thu)	18:30-20:30	Toxicology in clinical practice	Dr MHL Tai
8	24.10.2019 (Thu)	18:30-20:30	Common cancers in Hong Kong	Dr JWH Tsang
9	31.10.2019 (Thu)	18:30-20:30	Common breast diseases & case illustrations Common urinary diseases & case illustrations	Prof US Khoo Dr AHN Tang
10	07.11.2019 (Thu)	18:30-20:30	Common vascular central nervous system diseases and dementia Common respiratory diseases – clinical patterns and basic pathology	Prof SY Leung Dr MP Wong

<b>MEDI6500 Cell Metabolism (Semester 1)</b>
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Core Course Coordinator(s) : Professor A Xu, Department of Medicine

(Tel no.: 3917 9754; Email: [amxu@hku.hk](mailto:amxu@hku.hk))

Lecture Venue : Lecture Theatre 4, G/F, William M.W. Mong Block, 21 Sassoon Road

\* Seminar Rooms 1A&B, G/F, Room G-01&02, The HKJC Bldg for Interdisciplinary Research, 5 Sassoon Road

**Exam Date and Venue : Monday, December 9, 2019 (10:30 am – 12:30 pm)**

**T2 Underground Lecture Theatre, LG 1/F, New Clinical Building, Queen Mary Hospital**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	06.09.2019 (Fri)	18:30-20:30	Glucose metabolism and its regulation	Dr RLC Hoo
2	20.09.2019 (Fri)	18:30-20:30	Adipose tissue in metabolism	Dr RLC Hoo
3	27.09.2019 (Fri)	18:30-20:30	Regulation of metabolism by posttranslational modifications	Prof A Xu
4	04.10.2019 (Fri) - <b>cancelled</b>	18:30-20:30	Metabolism and cell cycle control	Prof A Xu
5	11.10.2019 (Fri)	18:30-20:30	Genetic basis of metabolic diseases	Dr RLC Hoo
6	18.10.2019 (Fri)	18:30-20:30	Lipid metabolism and its regulation	Dr CWH Woo
7	25.10.2019 (Fri)	18:30-20:30	Metabolism and longevity	Dr. Hannah Hui
8	01.11.2019 (Fri)*	18:30-20:30	Metabolic adaptation to nutritional and environmental changes	Dr. Hannah Hui
9	08.11.2019 (Fri)	18:30-20:30	Modern techniques for metabolic research I	Prof A Xu
10	15.11.2019 (Fri)	18:30-20:30	<b>Workshop:</b> Modern techniques for metabolic research II	Prof A Xu
11	22.11.2019 (Fri)	18:30-20:30	Recent advances in metabolomics and proteomics	Prof A Xu



## CMED7100 Introduction to Biostatistics (Semester 1)

Core Course Coordinator(s)	Professor BJ Cowling, School of Public Health (Tel no.: 3917 6711; Email: <a href="mailto:bcowling@hku.hk">bcowling@hku.hk</a> )
Lecture Venue	Lecture Theatre 1, G/F, William MW Mong Block, 21 Sassoon Road ^ 2/F, Block T Lecture Theatre, Queen Mary Hospital ^HKJC-S3, Room G-05, G/F, The HKJC Bldg for Interdisciplinary Research, 5 Sassoon Road * Knowledge Hub, Yu Chun Keung Medical Library, LG1 William MW Mong Block, 21 Sassoon Road
<b>Mid-term Exam Date and Venue:</b>	<b>Saturday, October 26, 2019 (09:30 – 11:30)</b> <b>Seminar Rooms S1A, 1B, 2 and 3, The HKJC Bldg for Interdisciplinary Research, 5 Sassoon Road</b>
<b>Exam Arrangement</b>	<b>: Saturday, December 07, 2019 (09:30 – 11:30)</b> <b>Online Exam via Moodle</b>

<u>Week</u>	<u>Venue</u>	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	LT 1	07.09.2019 (Sat)	08:30-10:30	Exploratory data analysis	Prof BJ Cowling
2	LT 1	21.09.2019 ( Sat)	08:30-10:30	Regression and correlation	Prof BJ Cowling
3	KH*	23.09.2019 (Mon) 25.09.2019 (Wed) 25.09.2019 (Wed) 26.09.2019 (Thu) 27.09.2019 (Fri) 28.09.2019 (Sat)	14:00-16:00 14:00-16:00 18:30-20:30 14:00-16:00 14:00-16:00 14:00-16:00	Practical 1 (choose 1 timeslot only)	Tutors
4	LT 1	28.09.2019 (Sat)	08:30-10:30	Probability	TBC
5	LT 1 - <b>cancelled</b>	05.10.2019 (Sat)	08:30-10:30	Statistical inference	Prof BJ Cowling
6	LT 1	12.10.2019 (Sat)	08:30-10:30	Hypothesis tests	Prof BJ Cowling
7	KH*	12.10.2019 (Sat) 14.10.2019 (Mon) 16.10.2019 (Wed) 16.10.2019 (Wed) 17.10.2019 (Thu) 18.10.2019 (Fri)	14:00-16:00 14:00-16:00 14:00-16:00 18:30-20:30 14:00-16:00 14:00-16:00	Practical 2 (choose 1 timeslot only)	Tutors
8	HKJC-S3 <sup>^^</sup>	19.10.2019 (Sat) 21.10.2019 (Mon) 23.10.2019 (Wed)	14:00-16:00 14:00-16:00 18:30-20:30	Tutorial 1 (choose 1 timeslot only)	Tutors
<b>9</b>	<b>HKJC-S1A, 1B, 2, 3</b>	<b>26.10.2019 (Sat)</b>	<b>09:30-11:30</b>	<b>Mid-term exam</b>	<b>Tutors</b>
10	QTLT <sup>^</sup>	02.11.2019 (Sat)	08:30-10:30	Designing studies	Prof BJ Cowling
11	KH*	04.11.2019 (Mon) 06.11.2019 (Wed) 06.11.2019 (Wed) 07.11.2019 (Thu) 08.11.2019 (Fri) 09.11.2019 (Sat)	14:00-16:00 14:00-16:00 18:30-20:30 14:00-16:00 14:00-16:00 14:00-16:00	Practical 3 (choose 1 timeslot only)	Tutors
12	LT 1	09.11.2019 (Sat)	08:30-10:30	Applied regression	Prof BJ Cowling
13	LT 1	16.11.2019 (Sat)	08:30-10:30	Analysis of survival data	Prof BJ Cowling
14	KH*	18.11.2019 (Mon) 20.11.2019 (Wed) 20.11.2019 (Wed) 21.11.2019 (Thu) 22.11.2019 (Fri) 23.11.2019 (Sat)	14:00-16:00 14:00-16:00 18:30-20:30 14:00-16:00 14:00-16:00 14:00-16:00	Practical 4 (choose 1 timeslot only)	Tutors
15	QTLT <sup>^</sup>	30.11.2019 (Sat)	08:30-10:30	Statistics in practice	Prof BJ Cowling
16	HKJC-S3 <sup>^^</sup>	30.11.2019 (Sat) 02.12.2019 (Mon) 04.12.2019 (Wed)	14:00-16:00 14:00-16:00 18:30-20:30	Tutorial 2 (choose 1 timeslot only)	Tutors
<b>17</b>	Online Exam via Moodle	<b>07.12.2019 (Sat)</b>	<b>09:30-11:30</b>	<b>Examination</b>	<b>Tutors</b>

## Assessment:

- Assignments – 15%
- Mid-term exam – 15%
- Final examination – 70%

TA: Ms Faith Ho

Tutors: Ms Vicky Fang; Mr Daniel Lau; Dr Ali Taslim; Dr Tim Tsang; Dr Jessica Wong; Ms Qiqi Zhang

Tutorial Assistants: Ms Hui Ying Chua; Ms Stephanie Gao; Ms Faith Ho; Ms Qian Xiong

<b>CMED7200 Introduction to Epidemiology (Semester 1)</b>
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Core Course Coordinator(s) : Professor BJ Cowling, School of Public Health  
(Tel no.: 3917 6711; Email: [bcowling@hku.hk](mailto:bcowling@hku.hk))

Lecture Venue : Lecture Theatre 1, G/F, William MW Mong Block, 21 Sassoon Road  
^ 2/F, Block T Lecture Theatre, Queen Mary Hospital

Mid-term Exam Date and Venue : **Saturday, October 19, 2019 (09:30 – 11:30)**  
**Seminar Rooms S1A, 1B, 2 and 3, The HKJC Bldg for Interdisciplinary Research, 5 Sassoon Road**

Exam Arrangement : **Saturday, December 14, 2019 (09:30-11:30)**  
**Online Exam via Moodle**

<u>Week</u>	<u>Venue</u>	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	LT 1	07.09.2019 (Sat)	10:50-12:50	Measures of occurrence	Prof BJ Cowling
2	LT 1	21.09.2019 (Sat)	10:50-12:50	Measures of effect and association	Prof BJ Cowling
3	LT 1	28.09.2019 (Sat)	10:50-12:50	Randomized trials	Prof BJ Cowling
4				Tutorial 1 (choose 1 timeslot only)	Tutors
5	LT 1	05.10.2019 (Sat) - <b>cancelled</b>	10:50-12:50	Cohort studies	Prof BJ Cowling
6				Tutorial 2 (choose 1 timeslot only)	Tutors
7	LT 1	12.10.2019 (Sat)	10:50-12:50	Cohort and Case-referent studies	Prof BJ Cowling
8				Tutorial 3 (choose 1 timeslot only)	Tutors
9	<b>HKJC-S1A, 1B, 2, 3</b>	<b>19.10.2019 (Sat)</b>	<b>09:30-11:30</b>	<b>Mid-term exam</b>	<b>Tutors</b>
10	QTLT^	02.11.2019 (Sat)	10:50-12:50	Study designs	Prof BJ Cowling
11	LT 1	09.11.2019 (Sat)	10:50-12:50	Causal inference in epidemiology	Prof BJ Cowling
12				Tutorial 4 (choose 1 timeslot only)	Tutors
13	LT 1	16.11.2019 (Sat)	10:50-12:50	Bias, confounding and interaction	Prof BJ Cowling
14				Tutorial 5 (choose 1 timeslot only)	Tutors
15	LT 1	23.11.2019 (Sat)	10:50-12:50	Qualitative studies	Dr W Lam
16	QTLT^	30.11.2019 (Sat)	10:50-12:50	Epidemiology in practice	Prof BJ Cowling
17				Tutorial 6 (choose 1 timeslot only)	Tutors
18	Online Exam via Moodle	<b>14.12.2019 (Sat)</b>	<b>09:30-11:30</b>	<b>Examination</b>	<b>Tutors</b>

## Assessment:

- Assignments – 15%
- Mid-term exam – 15%
- Final examination – 70%

TA: TBC

Tutors: Dr Jane Zhao, Dr Nancy Leung, Ms Wey Wen Lim, Ms Elaine Feng

<b>PATH6100 Laboratory Methods and Instrumentation (Semester 1)</b>
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Core Course Coordinator(s) : Dr JWP Yam, Department of Pathology  
 (Tel no.: 2255 2681; Email: [judyam@pathology.hku.hk](mailto:judyam@pathology.hku.hk))  
 Lecture Venue : Lecture Theatre, 2/F, Block T, Queen Mary Hospital  
**Exam Date and Venue : Tuesday, December 10, 2019 (9:30 am – 11:30 am)**  
**T1 Underground Lecture Theatre, LG 1/F, New Clinical Building, Queen Mary Hospital**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	07.09.2019 (Sat)	14:00-16:00	Tissue processing and immunohistochemistry	Prof Annie NY Cheung/ Prof JM Nicholls
2	21.09.2019 (Sat)	14:00-16:00	Principle and applications of flow cytometry	Dr RWK Ip
3	28.09.2019 (Sat)	14:00-16:00	Protein analysis methods Assignment of essay topics	Dr JWP Yam
	05.10.2019 (Sat) - <b>cancelled</b>	14:00-16:00	Advance immunofluorescent technologies in molecular study	Dr David W Chan
4	12.10.2019 (Sat)	14:00-16:00	Basic concepts in conventional and molecular cytogenetics	Prof TSK Wan
5	19.10.2019 (Sat)	14:00-16:00	Basic concepts in automated DNA sequencing and genotyping	Dr CTL Chan
6	26.10.2019 (Sat)	14:00-16:00	Mutation detection technologies	Prof SP Yip
7	09.11.2019 (Sat)	14:00-16:00	Epigenetics and methylation analysis	Dr JCM Wong
8	16.11.2019 (Sat)	14:00-16:00	Animal models for research	Dr CCL Wong
9	23.11.2019 (Sat)	14:00-16:00	Cancer stem cells: Methods and protocols	Dr TKW Lee
10	30.11.2019 (Sat)	14:00-16:00	Advance immunofluorescent technologies in molecular study	Dr David W Chan

Additional 4 hours for MPhil/PhD/MRes[Med] candidates:

MMPH6001 : Laboratory Methods and Instrumentation  
 Lecture Venue : Room 06-035, 6/F, Block T, Queen Mary Hospital

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
11	15.11.2019 (Fri)	14:00-18:00	Student/Essay presentation	Dr JWP Yam/ Dr JCM Wong

\* Deadline for the submission of essays: 23.11.2019 (Sat)

<b>PATH6300 General Cytopathology (Semester 1)</b>
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Core Course Coordinator(s) : Professor Annie NY Cheung, Department of Pathology  
(Tel no.: 2255 2657; Email: [anycheun@pathology.hku.hk](mailto:anycheun@pathology.hku.hk))

Lecture Venue : Room 06-035, 6/F, Block T, Queen Mary Hospital  
\*Room 02-019, 2/F, Block T, Queen Mary Hospital

**Exam Date and Venue : Tuesday, December 10, 2019 (14:30 – 16:30 pm)**  
**T1 Underground Lecture Theatre, LG 1/F, New Clinical Building, Queen Mary Hospital**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	09.09.2019 (Mon)	18:30-20:30	Organization of a cytopathology laboratory / Ethical and legal aspects of clinical cytopathology	Prof Annie NY Cheung
2	16.09.2019 (Mon)	18:30-22:30	Collection of cell samples & laboratory processing of cytology specimens  Quality assurance program & laboratory accreditation	Dr PPC Ip
3	23.09.2019 (Mon)	18:30-20:30	How to diagnose malignancy in non-gynaecological exfoliated cytology and fine needle aspiration specimens?	Prof Annie NY Cheung
4	30.09.2019 (Mon) *	18:30-20:30	<b>Practical workshop</b> on non-gynaecological exfoliated cytopathology	Dr RWC Wong / Ms Eva Chan / Ms Heidi Fung
5	14.10.2019 (Mon)	18:30-20:30	How to diagnose malignancy in gynaecological cytology specimens?	Prof Annie NY Cheung
6	21.10.2019 (Mon)*	18:30-20:30	<b>Practical workshop</b> on gynaecological cytopathology	Dr PPC Ip / Ms Obe Tsun
7	28.10.2019 (Mon)*	18:30-20:30	<b>Practical workshop</b> on fine needle aspiration cytopathology	Dr MP Wong / Ms Eva Chan / Ms Heidi Fung
8	04.11.2019 (Mon)	18:30-20:30	Recent advances in cytopathology	Prof Annie NY Cheung
9	11.11.2019 (Mon)	18:30-20:30	Clinical relevance of cytology consultation reports – implications on management	Dr KF Tam / Dr WM Ng

Additional 4 hours for MPhil/PhD/MRes[Med] candidates:

MMPH6016 : General Cytopathology

Lecture Venue : Room 06-035, 6/F, Block T, Queen Mary Hospital

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
11	18.11.2019 (Mon)	14:00-18:00	Discussion on Essay Topics	Prof Annie NY Cheung

<b>SURG6910 Laboratory Animal Handling and Surgical Techniques (Semester 2)</b>
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Core Course Coordinator(s) : Dr VCH Lui, Department of Surgery  
(Tel no.: 3917 9607; Email: [vchlui@hku.hk](mailto:vchlui@hku.hk))

Lecture Venue : Seminar Room 7, G/F, Laboratory Block

Exam Date and Venue : **Thursday, May 28, 2020 (9:30 – 11:30 am)**  
**TBC, HKU Main Campus**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	08.02.2020 (Sat) - <b>online</b>	09:00-09:30 09:30-12:00	Introduction and Course Orientation Animal Models for Human Diseases	Dr VCH Lui Dr VCH Lui
2	15.02.2020 (Sat) - <b>online</b>	09:00-11:45	Genetically Modified (GM) Animal Disease Models	Dr VCH Lui
3	22.02.2020 (Sat) - <b>online</b>	09:00-11:45	Cancer Models	Dr NPY Lee
4	29.02.2020 (Sat) - <b>online</b>	09:00-11:45	Transplantation Models	Professor K Man
5	07.03.2020 (Sat)	09:00-11:45	Humanized Mouse	Dr STS Wong
6	14.03.2020 (Sat)	09:00-12:00	Transplantation Immunology	Dr KKY Wong
7	21.03.2020 (Sat)	09:00-11:00  11:00-12:00	Ethics in using laboratory animals; University and Government regulations governing the use of animals for experimental purpose; Common laboratory animal species in the Laboratory Animal Unit  Audio-visual instruction on animal handling techniques	Dr JLL Go  Dr KCK Cheung & Dr D Rowlands

Additional 4 hours for MPhil/PhD/MRes[Med] candidates:

MMPH6138 : Laboratory Animal Handling and Surgical Techniques  
Lecture Venue : Experimental Surgery Unit, 10/F, Laboratory Block

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
8	28.03.2020 (Sat)	13:00-17:00	Animal Surgical Techniques & Practical Session	Dr PHY Chung and Dr VCH Lui

(To be re-scheduled)

**SBMS7500 Advanced Cell Biology (Semester 2)**

Core Course Coordinator(s) : Dr LW Lim, School of Biomedical Sciences  
(Tel no.: 3917 6830; Email: limlw@hku.hk)  
Lecture Venue : Lecture Theatre 4, G/F, William M.W. Mong Block, 21 Sassoon Road  
**Exam Date and Venue : To be re-scheduled Wednesday, May 27, 2020 (9:30 – 11:30 am)**  
**TBC, HKU Main Campus**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	<del>10.02.2020 (Mon)</del> - <b>cancelled</b>	18:30-20:30	Essential components of the cell	Dr YP Ching
2	17.02.2020 (Mon)	18:30-20:30	Cell cycle and cell divisions	Dr KM Yao
3	24.02.2020 (Mon)	18:30-20:30	Cell survival and apoptosis	Dr NS Wong
4	02.03.2020 (Mon)	18:30-20:30	Calcium signals in cellular communication	Dr NS Wong
5	09.03.2020 (Mon)	18:30-20:30	Hedgehog signalling in development & disease	Dr B Gao
6	23.03.2020 (Mon)	18:30-20:30	Cellular stress response	Dr NS Wong
7	30.03.2020 (Mon)	18:30-20:30	Cell-cell interaction	Prof Q Hao
8	06.04.2020 (Mon)	18:30-20:30	Cell disorders	Dr LW Lim
9	20.04.2020 (Mon)	18:30-20:30	Glial cell biology	Prof DKY Shum
10	27.04.2020 (Mon)	18:30-20:30	Intracellular transport in neuron	Dr KO Lai
11	04.05.2020 (Mon)	18:30-20:30	Neuronal and glial cell migration	Dr CSW Lai
12	11.05.2020 (Mon)	18:30-20:30	iPSC-derived neural stem cell	Dr ESW Ngan

Attendance is compulsory because course assessment of each candidate will be carried out.

Additional 4 hours for MPhil/PhD/MRes[Med] candidates:

MMPH6007 : Advanced Cell Biology  
Lecture Venue : Lecture Theatre 4, G/F, William M.W. Mong Block, 21 Sassoon Road

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
11	12.05.2020 (Tue)	09:00-13:00	Student Presentation	Drs LW Lim and CW Lee

<b>SBMS7200 Genes and Gene Functions in Diseases (Semester 2)</b>
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Core Course Coordinator(s) : Dr YQ Song, School of Biomedical Sciences  
(Tel no.: 3917 9245; Email: [songy@hku.hk](mailto:songy@hku.hk))

Lecture Venue : Lecture Theatre 4, G/F, William M.W. Mong Block, 21 Sassoon Road

Exam Date and Venue : ~~To be re-scheduled Tuesday, May 26, 2020 (14:30 – 16:30 pm)~~  
TBC, HKU Main Campus

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	11.02.2020 (Tue) - <b>online</b>	18:30-20:30	Complex genetic diseases	Dr YQ Song
2	18.02.2020 (Tue) - <b>online</b>	18:30-20:30	Reverse genetics and cloning of human disease genes: the cystic fibrosis gene	Dr KM Yao
3	25.02.2020 (Tue) - <b>online</b>	18:30-20:30	Molecular basis of genetic disease	Prof JD Huang
4	03.03.2020 (Tue)	18:30-20:30	Introduction to protein structure and function	Dr CM Qian
5	10.03.2020 (Tue)	18:30-20:30	Repeat expansion-associated neurodegenerative and neuromuscular diseases	Dr AC Koon
6	17.03.2020 (Tue)	18:30-20:30	Molecular mechanisms of ageing	Prof ZJ Zhou
7	24.03.2020 (Tue)	18:30-20:30	Immunological disease	Dr GS Ling
8	31.03.2020 (Tue)	18:30-20:30	Gene Function analysis: model organism and transgenic animals	Prof KSE Cheah
9	07.04.2020 (Tue)	18:30-20:30	Protein dysfunction and disease	Prof D Chan
10	14.04.2020 (Tue)	18:30-20:30	Next generation sequencing	Prof JD Huang
11	21.04.2020 (Tue)	18:30-20:30	Stem cell and regenerative medicine	Prof PT Liu
12	28.04.2020 (Tue)	18:30-20:30	Immune checkpoint therapy	Prof DY Jin

<b>PATH6700 Recent Advances in Cancer Biology (Semester 2)</b>
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Core Course Coordinator(s) : Dr CCL Wong, Department of Pathology  
 (Tel no.: 2255 2689; Email: [carmencl@pathology.hku.hk](mailto:carmencl@pathology.hku.hk))  
 Dr JCM Wong, Department of Pathology  
 (Tel no.: 2831 5518; Email: [jackwong@pathology.hku.hk](mailto:jackwong@pathology.hku.hk))

Lecture Venue : Room 06-035, 6/F, Block T, Queen Mary Hospital

Exam Date and Venue : **Monday, May 25, 2020 (14:30 – 16:30 pm)**  
**TBC, HKU Main Campus**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1.	12.02.2020 (Wed) - <b>online</b>	18:30-20:30	Cancer Metabolism	Dr CCL Wong
2.	19.02.2020 (Wed) - <b>online</b>	18:30-20:30	Cancer Metastasis	Dr JWP Yam
3.	26.02.2020 (Wed) - <b>online</b>	18:30-20:30	Cancer Epigenetics	Dr JCM Wong
4.	04.03.2020 (Wed)	18:30-20:30	Cancer Stem Cells	Dr M Tong
5.	11.03.2020 (Wed)	18:30-20:30	Genetic Aspects of Cancer Heterogeneity	Dr JCM Wong
6.	18.03.2020 (Wed)	18:30-20:30	Tumor Microenvironment	Dr CCL Wong
7.	25.03.2020 (Wed)	18:30-20:30	RNA Splicing in Cancer	Dr KH Kok
8.	01.04.2020 (Wed)	18:30-20:30	Surgical Pathology in Management and Prognostication of Common Human Cancers	Dr RCL Lo
9.	08.04.2020 (Wed)	18:30-20:30	Mouse Models in Cancer Research	Dr M Tong
10.	15.04.2020 (Wed)	18:30-20:30	Cancer Immunology	Dr CCL Wong



<b>PHAR7300 Therapeutic Antibodies (Semester 2)</b>
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Core Course Coordinator(s) : Professor Y Wang, Department of Pharmacology and Pharmacy  
(Tel no.: 3917 6864; Email: [yuwanghk@hku.hk](mailto:yuwanghk@hku.hk))

Lecture Venue : Lecture Theatre 4, G/F, William M.W. Mong Block, 21 Sassoon Road  
\* Lecture Theatre 3, G/F, William M.W. Mong Block, 21 Sassoon Road

Exam Date and Venue : **Tuesday, May 26, 2020 (9:30 – 11:30 am)**  
**TBC, HKU Main Campus**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	15.02.2020 (Sat)* - <b>online</b>	09:30-11:30	Monoclonal Antibody-based Therapeutics – Medical History and Current Status	Prof Y Wang
2	20.02.2020 (Thu) - <b>online</b>	18:30-20:30	Engineering and Production of Therapeutic antibodies – I	Prof A Xu
3	27.02.2020 (Thu) - <b>online</b>	18:30-20:30	Engineering and Production of Therapeutic Antibodies – II	Prof A Xu
4	05.03.2020 (Thu)	18:30-20:30	Biosimilars	Dr ASF Chow
5	12.03.2020 (Thu)	18:30-20:30	Pharmacokinetics and Pharmacodynamics of Therapeutic Antibodies	Dr CWH Woo
6	19.03.2020 (Thu)	18:30-20:30	Adverse Drug Reactions to Therapeutic Antibody Treatment	Dr CWH Woo
7	26.03.2020 (Thu)	18:30-20:30	Immunosuppression and Biologic Medications	Prof Y Wang
8	02.04.2020 (Thu)	18:30-20:30	Considerations for Check Point Inhibitors	Prof Y Wang
9	09.04.2020 (Thu)	18:30-20:30	Resistance to Antibody Therapies	Dr SWS Leung
10	16.04.2020 (Thu)*	18:30-20:30	Novel Therapeutic Indications for Antibodies	Prof Y Wang

(To be re-scheduled)

**SBMS7600 Integrative Perspectives of Body Functions (Semester 2)**

Core Course Coordinator(s) : Dr CW Lee, School of Biomedical Sciences  
(Tel no.: 3917 9202; Email: [chiwai.lee@hku.hk](mailto:chiwai.lee@hku.hk))  
Lecture Venue : Lecture Theatre 4, G/F, William M.W. Mong Block, 21 Sassoon Road  
Exam Date and Venue : ~~To be re-scheduled Wednesday, May 27, 2020 (14:30 – 16:30 pm)~~  
TBC, HKU Main Campus

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	14.02.2020 (Fri)	18:30-20:30	Introduction to body functions and homeostasis	Dr CW Lee
2	21.02.2020 (Fri)	18:30-20:30	Temporal regulation of body functions: circadian rhythm and melatonin	Dr SYW Shiu
3	28.02.2020 (Fri)	18:30-20:30	Hypoxia physiology	Dr ML Fung
4	06.03.2020 (Fri)	18:30-20:30	Metabolic adaptations to environmental changes	Dr NS Wong
5	13.03.2020 (Fri)	18:30-20:30	Body weight regulation and obesity	Dr CB Chan
6	20.03.2020 (Fri)	18:30-20:30	Neuromuscular control of movement	Dr CW Lee
7	27.03.2020 (Fri)	18:30-20:30	Motor coordination and disorders	Dr LW Lim
8	17.04.2020 (Fri)	18:30-20:30	Cognition and behaviour	Dr CSW Lai
9	24.04.2020 (Fri)	18:30-20:30	Psychiatric disorders	Dr CSW Lai
10	08.05.2020 (Fri)	18:30-20:30	Sensation and perception	Prof YS Chan
11	15.05.2020 (Fri)	18:30-20:30	Inflammation and immune mechanisms in neurodegenerative diseases	Dr GS Ling
12	22.05.2020 (Fri)	18:30-20:30	Brain stimulation therapy	Dr LW Lim

Additional 4 hours for MPhil/PhD/MRes[Med] candidates:

MMPH6009 : Integrative Perspectives of Body Functions  
Lecture Venue : Lecture Theatre 2, G/F, William M.W. Mong Block, 21 Sassoon Road

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
11	29.05.2020 (Fri)	18:30-20:30	Presentation & Discussion on selected topics	Drs CW Lee and LW Lim

**PATH6500 Practical Course in Laboratory Methods (Semester 2)**  
(Prerequisite: PATH6100 Laboratory Methods and Instrumentation)

Core Course Coordinator(s) : Dr JWP Yam, Department of Pathology  
(Tel No.: 2255 2681; Email: [judyam@pathology.hku.hk](mailto:judyam@pathology.hku.hk))  
Lecture Venue : Room 02-019, 2/F, Block T, Queen Mary Hospital  
**Exam Date and Venue : Monday, May 25, 2020 (9:30 – 11:30 am)**  
**TBC, HKU Main Campus**

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	18.04.2020 (Sat)	09:00-12:00 13:00-15:00	Basic tissue culture techniques and flow cytometry analysis	Dr CCL Wong Dr RWK Ip
2	25.04.2020 (Sat)	09:00-12:00 13:00-15:00	Extraction methods for DNA, RNA and protein and electrophoresis	Dr JWP Yam
3	02.05.2020 (Sat)	09:00-12:00 13:00-15:00	Tissue processing, immunohistochemistry and histological analysis	Dr RCL Lo Dr AHN Tang
4	09.05.2020 (Sat)	09:00-12:00 13:00-15:00	Reverse transcription, polymerase chain reaction, DNA sequencing and genotyping	Dr CM Wong