



MMPH6001 Laboratory Methods and Instrumentation (Semester 1)

Course Coordinator(s):	Professor JWP Yam, Department of Pathology (Tel no.: 2255 2681; Email: judyam@pathology.hku.hk)
Delivery Mode of Lectures:	Face-to-face
Lecture Venue:	Lecture Theatre, 2/F, Block T, Queen Mary Hospital
Final Examination:	Monday, December 11, 2023 (9:30 am – 11:30 am) TBC, HKU Main Campus

	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
1	02.09.2023 (Sat)	14:00-16:00	Protein analysis methods Assignment of essay topics	Prof JWP Yam
2	09.09.2023 (Sat)	14:00-16:00	Principle and applications of flow cytometry	Dr RWK Ip
3	16.09.2023 (Sat)	14:00-16:00	Tissue processing and immunohistochemistry	Prof Annie NY Cheung/ Prof JM Nicholls
4	23.09.2023 (Sat)	14:00-16:00	Cancer stem cells: Methods and protocols	Prof TKW Lee
5	07.10.2023 (Sat)	14:00-16:00	Basic concepts in conventional and molecular cytogenetics	Prof TSK Wan
6	14.10.2023 (Sat)	14:00-16:00	Mutation detection technologies	Prof SP Yip
7	21.10.2023 (Sat)	14:00-16:00	Epigenetics and methylation analysis	Dr JCM Wong
8	28.10.2023 (Sat)	14:00-16:00	Animal models for research	Dr CCL Wong
9	04.11.2023 (Sat)	14:00-16:00	Basic concepts in automated DNA sequencing and genotyping	Dr CTL Chan
10	11.11.2023 (Sat)	14:00-16:00	Mass spectrometry and its applications in biological studies	Dr CYS Chung

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

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	<u>Date</u>	<u>Time</u>	<u>Lecture Topic</u>	<u>Lecturer</u>
11	03.11.2023 (Fri)	14:00-18:00	Student/Essay presentation	Prof JWP Yam/ Dr JCM Wong

Deadline for the submission of essays: 11.11.2023 (Sat)