



**PATH6100 Laboratory Methods and Instrumentation (Semester 1)**

<b>Course Coordinator(s):</b>	Professor JWP Yam, Department of Pathology (Tel: 2255 2681; Email: <a href="mailto:judyam@pathology.hku.hk">judyam@pathology.hku.hk</a> )
<b>Delivery Mode of Lectures:</b>	Face-to-face
<b>Lecture Venue:</b>	Lecture Theatre, 2/F, Block T, Queen Mary Hospital
<b>Final Examination:</b>	<b>Tuesday, December 10, 2024 (9:30 am – 11:30 am)</b> <b>TBC, HKU Main Campus</b>

	<b>Date</b>	<b>Time</b>	<b>Lecture Topic</b>	<b>Lecturer</b>
1	07.09.2024 (Sat)	14:00-16:00	Protein analysis methods Assignment of essay topics	Professor JWP Yam
2	14.09.2024 (Sat)	14:00-16:00	Basic concepts in conventional and molecular cytogenetics	Professor TSK Wan
3	21.09.2024 (Sat)	14:00-16:00	Tissue processing and immunohistochemistry	Professor ANY Cheung / Professor JM Nicholls
4	28.09.2024 (Sat)	14:00-16:00	Cancer stem cells: Methods and protocols	Professor TKW Lee
5	05.10.2024 (Sat)	14:00-16:00	Principle and applications of flow cytometry	Dr RWK Ip
6	12.10.2024 (Sat)	14:00-16:00	Mutation detection technologies	Professor SP Yip
7	19.10.2024 (Sat)	14:00-16:00	Epigenetics and methylation analysis	Professor JCM Wong
8	02.11.2024 (Sat)	14:00-16:00	Animal models for research	Professor CCL Wong
9	09.11.2024 (Sat)	14:00-16:00	Basic concepts in automated DNA sequencing and genotyping	Dr CTL Chan
10	16.11.2024 (Sat)	14:00-16:00	Mass spectrometry and its applications in biological studies	Professor CYS Chung

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

MMPH6001 : Laboratory Methods and Instrumentation  
Lecture Venue : Room 02-019/02-025, 2/F, Block T, Queen Mary Hospital

	<b>Date</b>	<b>Time</b>	<b>Lecture Topic</b>	<b>Lecturer</b>
11	15.11.2024 (Fri)	14:00-18:00	Student/Essay presentation	Professor JWP Yam / Professor JCM Wong

Deadline for the submission of essays: 16.11.2024 (Sat)