



PATH6100 Laboratory Methods and Instrumentation (Semester 1)

Course Coordinator(s):	Professor JWP Yam, Department of Pathology (Tel: 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:	Tuesday, December 16, 2025 (9:30 am – 11:30 am) TBC, HKU Main Campus

	Date	Time	Lecture Topic	Lecturer
1	06.09.2025 (Sat)	14:00-16:00	Tissue processing and immunohistochemistry	Professor ANY Cheung / Professor JM Nicholls
2	13.09.2025 (Sat)	14:00-16:00	Protein analysis methods Assignment of essay topics	Professor JWP Yam
3	20.09.2025 (Sat)	14:00-16:00	Basic concepts in conventional and molecular cytogenetics	Professor TSK Wan
4	27.09.2025 (Sat)	14:00-16:00	Cancer stem cells: Methods and protocols	Professor TKW Lee
5	04.10.2025 (Sat)	14:00-16:00	Principle and applications of flow cytometry	Dr RWK Ip
6	11.10.2025 (Sat)	14:00-16:00	Epigenetics and methylation analysis	Professor JCM Wong
7	18.10.2025 (Sat)	14:00-16:00	Mutation detection technologies	Professor SP Yip
8	01.11.2025 (Sat)	14:00-16:00	Animal models for research	Professor CCL Wong
9	08.11.2025 (Sat)	14:00-16:00	Basic concepts in automated DNA sequencing and genotyping	Dr CTL Chan
10	15.11.2025 (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:

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 Lecture Venue : Room 02-019/02-025, 2/F, Block T, Queen Mary Hospital

	Date	Time	Lecture Topic	Lecturer
11	14.11.2025 (Fri)	14:00-18:00	Student/Essay presentation	Professor JWP Yam / Professor JCM Wong

Deadline for the submission of essays: 15.11.2025 (Sat)