



**MMPH6005 Practical Bioinformatics (Semester 1)**

<b>Course Coordinator(s):</b>	Dr BCW Wong, School of Biomedical Sciences (Tel: 3917 6807; Email: <a href="mailto:bcwwong@hku.hk">bcwwong@hku.hk</a> )
<b>Delivery Mode of Lectures:</b>	Face-to-face
<b>Lecture Venue:</b>	Lecture Theatre 1, G/F, William MW Mong Block, No. 21 Sassoon Road
<b>Final Examination:</b>	<b>Monday, December 16, 2024 (9:30 – 11:30 am)</b> <b>TBC, HKU Main Campus</b>

	<b>Date</b>	<b>Time</b>	<b>Lecture Topic</b>	<b>Lecturer</b>
1	03.09.2024 (Tue)	18:30-20:30	Biological databases; Information retrieval: Entrez	Dr BCW Wong
2	10.09.2024 (Tue)	18:30-20:30	Pair-wise sequence alignment: dotplot and dynamic programming	Dr BCW Wong
3	24.09.2024 (Tue)	18:30-20:30	Sequence database searches: BLAST, FASTA	Dr BCW Wong
4	08.10.2024 (Tue)	18:30-20:30	Multiple Sequence Alignment	Dr BCW Wong
5	15.10.2024 (Tue)	18:30-20:30	Introduction to Genome Informatics	Dr. HL Kwan
6	22.10.2024 (Tue)	18:30-20:30	Introduction to using Linux	Dr. HL Kwan
7	29.10.2024 (Tue)	18:30-20:30	NGS sequence alignment	Dr. HL Kwan
8	05.11.2024 (Tue)	18:30-20:30	Phylogenetics: Theory	Professor TTY Lam
9	12.11.2024 (Tue)	18:30-20:30	Variant calling and annotation	Dr. HL Kwan
10	19.11.2024 (Tue)	18:30-20:30	Phylogenetics: Algorithms	Professor TTY Lam
11	26.11.2024 (Tue)	18:30-20:30	Phylogenetics: Advanced methods	Professor TTY Lam
12	03.12.2024 (Tue)	18:30-20:30	Metagenomics	Professor TTY Lam