



SBMS7100 Practical Bioinformatics (Semester 1)

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

	Date	Time	Lecture Topic	Lecturer
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	Professor JWH Wong / Dr. HL Kwan
6	22.10.2024 (Tue)	18:30-20:30	Introduction to using Linux	Professor JWH Wong / Dr. HL Kwan
7	29.10.2024 (Tue)	18:30-20:30	NGS sequence alignment	Professor JWH Wong / Dr. HL Kwan
8	05.11.2024 (Tue)	18:30-20:30	Variant calling and annotation	Professor JWH Wong / Dr. HL Kwan
9	12.11.2024 (Tue)	18:30-20:30	Phylogenetics: Theory	Professor TTY Lam
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