



**SBMS7100 Practical Bioinformatics (Semester 1)**

<b>Course Coordinator(s):</b>	Dr BCW Wong, School of Biomedical Sciences (Tel no.: 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 M.W. Mong Block, No. 21 Sassoon Road #Lecture Theatre 2, G/F, William M.W. Mong Block, No. 21 Sassoon Road
<b>Final Examination:</b>	<b>Friday, December 15, 2023 (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	05.09.2023 (Tue)	18:30-20:30	Biological databases; Information retrieval: Entrez	Dr BCW Wong
2	12.09.2023 (Tue)	18:30-20:30	Pair-wise sequence alignment: dotplot and dynamic programming	Dr BCW Wong
3	19.09.2023 (Tue)	18:30-20:30	Sequence database searches: BLAST, FASTA	Dr BCW Wong
4	26.09.2023 (Tue)	18:30-20:30	Multiple Sequence Alignment	Dr BCW Wong
5	03.10.2023 (Tue)	18:30-20:30	Introduction to Genome Informatics	Dr JWH Wong Dr R Jauch
6	10.10.2023 (Tue)	18:30-20:30	Introduction to using Linux	Dr JWH Wong Dr R Jauch
7	17.10.2023 (Tue)	18:30-20:30	NGS sequence alignment	Dr JWH Wong Dr R Jauch
8	24.10.2023 (Tue)	18:30-20:30	Variant calling and annotation	Dr JWH Wong Dr R Jauch
9	07.11.2023 (Tue)	18:30-20:30	Phylogenetics: Theory	Dr TTY Lam
10	14.11.2023 (Tue)	18:30-20:30	Phylogenetics: Algorithms	Dr TTY Lam
11	21.11.2023 (Tue)	18:30-20:30	Phylogenetics: Advanced methods	Dr TTY Lam
12	28.11.2023 (Tue)#	18:30-20:30	Metagenomics	Dr TTY Lam