



SBMS7100 Practical Bioinformatics (Semester 1)

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| Course Coordinator(s): | Dr BCW Wong, School of Biomedical Sciences (Tel no.: 3917 6807; Email: bcwwong@hku.hk) |
| Delivery Mode of Lectures: | Face-to-face |
| Lecture Venue: | Lecture Theatre 1, G/F, William M.W. Mong Block, 21 Sassoon Road ** Seminar Rooms 1-3, G/F Laboratory Block, 21 Sassoon Road <i>(for Face-to-face/Hybrid only)</i> |
| Final Examination: | Tuesday, December 21, 2021 (14:30 – 16:30 pm) Room 105 Chong Yuet Ming Amenities Centre, Main Campus |

| | Date | Time | Lecture Topic | Lecturer |
|----|--------------------|-------------|---|---------------------------|
| 1 | 07.09.2021 (Tue) | 18:30-20:30 | Biological databases; Information retrieval: Entrez | Dr BCW Wong |
| 2 | 14.09.2021 (Tue) | 18:30-20:30 | Pair-wise sequence alignment: dotplot and dynamic programming | Dr BCW Wong |
| 3 | 28.09.2021 (Tue) | 18:30-20:30 | Sequence database searches: BLAST, FASTA | Dr BCW Wong |
| 4 | 05.10.2021 (Tue) | 18:30-20:30 | Multiple Sequence Alignment | Dr BCW Wong |
| 5 | 19.10.2021 (Tue) | 18:30-20:30 | Introduction to Genome Informatics | Dr JWH Wong Dr R Jauch |
| 6 | 26.10.2021 (Tue) | 18:30-20:30 | Introduction to using Linux | Dr JWH Wong Dr R Jauch |
| 7 | 02.11.2021 (Tue) | 18:30-20:30 | NGS sequence alignment | Dr JWH Wong Dr R Jauch |
| 8 | 09.11.2021 (Tue) | 18:30-20:30 | Variant calling and annotation | Dr JWH Wong |
| 9 | 16.11.2021 (Tue) | 18:30-20:30 | Phylogenetics: Theory | Dr TTY Lam |
| 10 | 23.11.2021 (Tue) | 18:30-20:30 | Phylogenetics: Algorithms | Dr TTY Lam |
| 11 | 30.11.2021 (Tue) | 18:30-20:30 | Phylogenetics: Advanced methods | Dr TTY Lam |
| 12 | 07.12.2021 (Tue)** | 18:30-20:30 | Metagenomics | Dr TTY Lam |