

## TIMETABLE FOR SEMESTER I, 2009/2010

### LSM2241 – INTRODUCTORY BIOINFORMATICS

**Module Coordinator: Dr Martti Tammi**

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<b>LECTURES:</b>	MONDAYS	<b>PRACTICALS:</b>	MONDAYS	
<b>TIME:</b>	1000 – 1200 hrs	<b>TIME/VENUE:</b>	S13-04-16	S13-04-14
<b>VENUE:</b>	LT26	1400-1800hrs	Group A	Group B

WK	MONTH	LECTURES MONDAYS	PRACTICALS MONDAYS
1.	Aug	10 Public Holiday	10 Public Holiday
2.		17 L1 Chapter1: Why Bioinformatics? (VT)	17 P1 Exploring basic bioinformatics resources (TAs)
3.		24 L2 Chapter2: Exploring genomes (VT)	24 P2 Exploring basic bioinformatics resources (TAs)
4.		31 L3 Chapter3: Bioinformatics tools and techniques (VT)	31 P3 Exploring bioinformatics tools and techniques (TAs)
5.	Sep	07 L4 Chapter4: A survey of biological databases (VT)	07 P4 Visualizing sequence comparisons (TAs)
6.		14 L5 Chapter5: Principles of sequence alignment (TTW)	14 P5 BLAST: Searching for unknown sequences using known ones (TAs)
<b>Recess week: Sat 19 Sep – Sun 27 Sep 2009 (1 week)</b>			
7.		28 L6 Chapter5: Fundamentals of sequence comparisons and basics of BLAST database search (TTW)	28 CA2 Mini-project briefing and discussion (TAs)
8.	Oct	05 L7 Chapter5: Biological Patterns and Profiles for Sequence Analysis and Function Prediction (TTW)	05 P6 Hunting for biological patterns (TAs)
9.		12 L8 Chapter5: Principles of molecular evolution (TTW)	12 P7 Building a BLAST-searchable database from sequences (TAs)
10.		19 L9 Chapter5: Techniques in phylogenetic inference (CH)	19 P8 MSA and phylogenetic analysis (TAs)
11.		26 L10 Chapter6: Basics of structural biology (CH)	26 P9 Analysing mass spectrometry data (TAs)
12.	Nov	02 L11 Chapter6: Modelling bio-molecular structure from sequence (CH)	02 P10 Viewing and annotating 3D structures (TAs)
13.		09 L12 Chapter7: Modelling biological systems and pathways: the future of bioinformatics (CH)	09 P11 Homology modelling (TAs)
<b>READING PERIOD : Sat 14 Nov to Fri 20 Nov 2009 (1 week)</b>			
<b>EXAMINATION : Wed, 02 December 2009, 9 a.m.</b>			
<b>VACATION : Sun 06 Dec 2009 to Sun 10 Jan 2010 (5 weeks)</b>			

**Lecturers:**

(TTW) A/Prof Tan Tin Wee (Biochem) - tinwee@bic.nus.edu.sg; 96640347

(VT) Dr. Victor JC Tong (I<sup>2</sup>R) - victor@bic.nus.edu.sg

(CH) A/Prof Christopher Hogue (DBS) - dbshcwv@nus.edu.sg

**Teaching Assistants (TAs):**

Full-time: Mohammad Asif Khan (bchmak@nus.edu.sg) and Lim Shen Jean (jean@bic.nus.edu.sg) Off: 65163566

Part-time: Hu Yongli, Xie Chao, Benjamin Tan Yong Liang, Natascha May, Rashmi Sukumaran and Joyce Lin

**Textbook:** Introduction to Bioinformatics, 3<sup>rd</sup> edition by Arthur M. Lesk (Oxford University Press)

Last updated: 30/06/09