

TIMETABLE FOR SEMESTER I, 2017/2018

LSM3246 – Synthetic Biology

Module Coordinator: A/P Chang, Matthew Wook

Email: matthew_chang@nuhs.edu.sg

Tel: 6601 3687

LECTURES: TUESDAY
TIME: 1000 – 1200 hrs
VENUE: LT20

LECTURES: FRIDAYS
TIME: 1000 – 1200 hrs
VENUE: LT20

WK	MONTH	LECTURES	LECTURES
		TUESDAY	FRIDAY
1.	Aug	15 Introduction to Synthetic Biology M Chang	18 Biological Principles of Synthetic Biology M Chang
2.		22 Engineering Principles of Synthetic Biology M Chang	25 Biological and Engineering Principles of Synthetic Biology M Chang
3.	Aug/Sep	29 Synthetic Biology & Enzymology WS Yew	1 Public Holiday
4.	Sep	5 Principles of Synthetic Enzymology WS Yew	8 a. Synthetic Enzymology Applications in Synthetic Biology b. Tutorial on Synthetic Biology 1 WS Yew
5.		12 Bioprocess Engineering for Synthetic Biology S Leong	15 Tutorial on Synthetic Biology 2 M Chang
6.		19 a. Bioprocess Engineering for Synthetic Biology b. Tutorial on Synthetic Biology 3 S Leong	22 Self-Study
<i>Recess Week: Sat 23 Sep – Sun 1 Oct 2017 (1 week)</i>			
7.	Oct	3 CA1	6 Industrialisation of Synthetic Biology WJ Choi
8.		10 Synthetic Microbial Cell Factories WJ Choi	13 Systems Biology for Synthetic Biology S Swarup

9.		17 Systems Biology for Synthetic Biology S Swarup	20 Computational Genome Analysis for Synthetic Biology DY Lee
10.		24 a. Computational Modelling for Synthetic Biology b. Tutorial on Synthetic Biology 4 CL Poh	27 Current Applications of Synthetic Biology H Ling
11.	Oct/Nov	31 Current Applications of Synthetic Biology H Ling	3 Tutorial on Synthetic Biology 5 S Swarup and WJ Choi
12.	Nov	7 Current Issues and Future Directions of Synthetic Biology M Chang	10 Tutorial on Synthetic Biology 6 H Ling and M Chang
		14 CA2	17 Review
READING PERIOD: Sat 18 Nov to Fri 24 Nov 2017 (1 week)			
EXAMINATION: Saturday, 25 November 2017, 9am			
VACATION: Sun 10 Dec 2017 to Sun 14 Jan 2018 (5 weeks)			

MODULE CO-ORDINATORS:

A/P Matthew Chang Wook

(Tel: 66013687, Email: bchcmw@nus.edu.sg)

A/P Yew Wen Shan

(Tel: 65168624, Email: bchyws@nus.edu.sg)

A/P Sanjay Swarup

(Tel: 65167933, Email: sanjay@nus.edu.sg)

LECTURERS:

1. A/P Matthew Chang

(Tel: 66013687, Email: bchcmw@nus.edu.sg)

2. A/P Yew Wen Shan

(Tel: 65168624, Email: bchyws@nus.edu.sg)

3. A/P Sanjay Swarup

(Tel: 65167933, Email: sanjay@nus.edu.sg)

4. A/P Susanna Leong

(Tel: 65928544, Email: bchslsj@nus.edu.sg)

5. A/P Choi Won Jae

(Tel: 67963808, Email: [choiwj@ices.a-](mailto:choiwj@ices.a-star.edu.sg)

[star.edu.sg](mailto:choiwj@ices.a-star.edu.sg))

6. A/P Poh Chueh Loo

(Tel: 65167657, Email: biepcl@nus.edu.sg)

7. Dr Ling Hua

(Tel: 66012449, Email: bchlingh@nus.edu.sg)

8. Dr Lee Dong-Yup

(Tel: 65166907, Email: cheld@nus.edu.sg)

TEXT BOOK (Reference books):

1. Synthetic Biology: A Primer / Paul Freemont and Richard Kitney (Editors) / Paperback Edition.
2. Fundamentals of Systems Biology: From Synthetic Circuits to Whole-cell Models / Markus W. Covert / Paperback Edition.