

LIFS 4820: Entrepreneurship in Biotechnology (Fall 23/24)

Lecturer:	Prof. Karl Tsim (Course Director)	Rm 5456	X-7332
Tutor	Dr. Wing Leung (lkwing@ust.hk)	Rm 6145	X-7338
Time:	Tuesday	13:30 – 14:50	Rm G002 (CYT)
	Thursday	13:30 – 14:50	Rm G002 (CYT)
Text Book:	<i>Biotechnology Entrepreneurship</i> Introduction to Biotechnology Phytocosmetics and Cosmetic Science	<i>Shimasaki et al 2014</i> Thieman et al 2014 Lourith and Tsim 2021	<i>Elsevier</i> Pearson CRC Press

Web site at <http://lmes2.ust.hk/portal#>

Intended Learning Outcome:

- Explain the scientific principles underpinning those biotechnological innovations which achieve and maintain the competitiveness of biotechnology enterprises.
- Apply biotechnological knowledge to solve problems in the management and operation of entrepreneurship in the biotechnology industry.
- Critically evaluate biotechnology product ideas and determine which ideas may be suitable for commercialization.
- Analyse international journal articles and evaluate contemporary biotechnological innovations.
- Work and coordinate effectively in a team to research, prepare and deliver a business proposal and communicate this effectively to a lay audience.
- Apply standards and conventions relating to social responsibilities and ethical practices in a biotechnology enterprise.

Mid-term (open book) Assessment: 40%

Project and Presentation: 60%

No.	Date	Topics	Lecturer
1	5/9	An overview of biotech discovery	TSIM
2	7/9	Biotechnology industry-an engine of innovation	TSIM
3	12/9	Essential elements for growing biotechnology cluster	TSIM
4	14/9	Essential elements for growing biotechnology cluster	TSIM
5	19/9	Biotechnology in Hong Kong and Greater China	TSIM
6	21/9	Biotechnology in Hong Kong and Greater China	TSIM
7	26/9	Establishing a business in Hong Kong	TSIM
8	28/9	Commercial landscape of HK biotech- 2023	TSIM
9	3/10	Spin-off companies from HKUST	TSIM/LEUNG
10	5/10	How to prepare for your business venture	LAW
11	10/10	How to prepare for your business venture	LAW
12	12/10	How to prepare for your business venture	LAW
13	17/10	How to prepare for your business venture	LAW
14	19/10	Personal cosmetics industry in Hong Kong/China	V. TSOI
15	24/10	Visit	TSIM/LEUNG
16	26/10	<i>Mid-term Assessment</i>	TSIM/LEUNG
17	31/10	Personal cosmetics industry in Hong Kong/China	V. TSOI
18	2/11	Establishing a business (Health Drink) in Hong Kong	Dr. CHAN
19	7/11	Visit	TSIM/LEUNG
20	9/11	Establishing a business (consulting) in Hong Kong	Dr. T. TAM
21	14/11	Establishing a business (consulting) in Hong Kong	Dr. T. TAM
22	16/11	Drug Discovery – CRO in China	Dr. M LI
23	21/11	Financial investment	B. WONG
24	23/11	<i>Presentation (Final Assessment)</i>	TSIM
25	28/11	<i>Presentation (Final Assessment)</i>	TSIM
26	28/11	<i>Presentation (Final Assessment)</i>	TSIM