

LIFS 4820: Entrepreneurship in Biotechnology (Fall 21/22; Revised)

Lecturer:	Prof. Karl Tsim (Course Director)	Rm 5456	X-7332
Tutor	Dr. Wing Leung (lkwing@ust.hk)	Rm 6145	X-7338
Time:	Monday	16:30 – 17:50	Rm 2611
	Friday	12:00 – 13:20	Rm 2611
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%

Topics	Time	Lecturer
1. An overview	2/9; 5/9	TSIM
2. Biotechnology industry-an engine of innovation	9/9	TSIM
3. Essential elements for growing biotechnology cluster	16/9, 19/9	TSIM
4. Biotechnology in Hong Kong and Greater China	23/9, 26/9	TSIM
5. Establishing a business in Hong Kong	30/9	TSIM
6. Commercial landscape of HK biotech- 2018	3/10	TSIM
7. Spin-off companies from HKUST	7/10	TSIM/LEUNG
8. How to prepare for your business venture	10/10	DR. LAW
9. How to prepare for your business venture	14/10	DR. LAW

10.	How to prepare for your business venture	17/10	Dr. LAW
11.	How to prepare for your business venture	21/10	Dr. LAW
12.	<i>How to prepare for your business venture</i>	24/10	Dr. LAW
<i>Mid-term Assessment</i>		28/10	TSIM
13.	Personal cosmetics industry in Hong Kong/China	31/10	V. CHOI
14.	Establishing a business (Health Drink) in Hong Kong	4/11	Dr. CHAN
15.	Visit	7/11	TSIM/LEUNG
16.	Establishing a business (consulting) in Hong Kong	11/11	Dr. T. TAM
17.	Financial investment	14/11	B. WONG
18.	Establishing a business (consulting) in Hong Kong	18/11	Dr. T. TAM
<i>Presentation (Final Assessment)</i>		21/11, 25/11, 28/11	TSIM