

LIFS 4820: Entrepreneurship in Biotechnology (Fall 18/19)

Lecturer:	Prof. Karl Tsim (Course Director)	Rm 5456	X-7332
Tutor	Dr. Wing Leung (lkwing@ust.hk)	Rm 6145	X-7338
Time:	Monday	15:00 – 16:20	Rm 2126A
	Friday	10:30 – 11:50	Rm 2126A
Text Book:	<i>Biotechnology Entrepreneurship</i> Shimasaki et al 2014		<i>Elsevier</i>
	Introduction to Biotechnology	Thieman et al 2014	Pearson

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.
- Analyze 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	3/9; 7/9	TSIM
2. Spin-off company from HKUST- GVN	10/9	DRs. WONG/LEUNG
3. Commercial landscape of HK biotech- 2018	14/9;	DR. LAW
4. Introduction of design thinking and lean startup	17/9	DR. LAW
5. The biotechnology century and its workforce;	21/9	TSIM
6. Biotechnology industry: an engine of innovation	24/9	TSIM
7. What is biotechnology entrepreneurship?	28/9; 5/10	TSIM
8. Essential elements for growing biotechnology cluster	8/10;	TSIM
9. Visit to a biotech industry	12/10	TSIM/LEUNG

10.	Establishing a business (Health Drink) in Hong Kong	15/10	Dr. CHAN
11.	Biotechnology in Hong Kong and Greater China	19/10, 26/10	TSIM
	Mid-term Assessment	22/10	TSIM/LEUNG
12.	Introduction of business model generation-I	29/10	Dr. LAW
13.	Introduction of business model generation-II	2/11	Dr. LAW
14.	Visit to local food industry	5/11	DR. LEUNG
15.	Establishing a business in Hong Kong	9/11	TSIM
16.	Establishing a business in Hong Kong	12/11	TSIM
17.	Establishing a business (consulting) in Hong Kong	16/11	Dr. TAM
18.	Establishing a business (consulting) in Hong Kong	19/11	Dr. TAM
19.	Visit/Conclusion	23/11	TSIM
	Presentation (Final Assessment)	26/11 30/11	TSIM/LEUNG TSIM/LEUNG