

LIFS 4820: Entrepreneurship in Biotechnology (Fall 17/18)

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 2130B
	Friday	12:00 – 13:20	Rm 2130B
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	1/9	TSIM
2. Spin-off company from HKUST- Wah Kin	4/9	LEUNG
Spin-off company from HKUST- GVN	8/9	WONG
2. The biotechnology century and its workforce	11/9; 15/9	TSIM
3. The biotechnology industry: an engine of innovation	18/9; 22/9	TSIM
4. What is biotechnology entrepreneurship?	25/9; 29/9	TSIM
5. Essential elements for growing biotechnology cluster	6/10; 9/10	TSIM

<i>Mid-term Assessment</i>	<i>13/10</i>	<i>TSIM/LEUNG</i>
6. Biotechnology in Hong Kong and Greater China	16/10; 20/10	TSIM
7. Money for a business-Where; When and How?	23/10; 27/10	Dr. LAW
8. Visit	30/10;	LEUNG
9. An example of business in Hong Kong	3/11	TANG
10. An example of business in Hong Kong	6/11	TANG
11. An example of business in Hong Kong	10/11	Dr. CHAN
12. An example of business in Hong Kong	13/11	Dr. TAM
13. An example of business in Hong Kong	17/11	Dr. TAM
13. Visit	20/11	GUEST
<i>Presentation (Final Assessment)</i>	<i>24/11</i>	<i>TSIM/LEUNG</i>
	<i>27/11</i>	<i>TSIM/LEUNG</i>