

LIFS 4820: Entrepreneurship in Biotechnology (Fall 16/17)

Lecturer:	Prof. Karl Tsim (Course Director)	Rm 5456	X-7332
Tutor	Dr. Wing Leung (lkwing@ust.hk)	Rm 6145	X-7338
Time:	Tuesday	12:00 – 13:20	Rm 1505
	Thursday	12:00 – 13:20	Rm 1505
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. The biotechnology century and its workforce	6/9; 8/9	TSIM
3. The biotechnology industry: an engine of innovation	13/9; 15/9	TSIM
4. What is biotechnology entrepreneurship?	20/9; 22/9	TSIM
5. Essential elements for growing biotechnology cluster	27/9; 29/9	TSIM
6. Biotechnology in Hong Kong and Greater China	4/10; 6/10	TSIM
Mid-term Assessment	11/10	TSIM/LEUNG

7.	Money for a business-Where; When and How?	13/10; 18/10	LAW
8.	The writing of a business plan	20/10;	GUEST
9.	Visit	25/10	GUEST
10.	An example of business in Hong Kong	27/10	GUEST
11.	An example of business in Hong Kong	1/11	GUEST
12.	An example of business in Hong Kong	3/11	GUEST
13.	An example of business in Hong Kong	8/11	GUEST
13.	Visit	10/11	GUEST

Presentation (Final Assessment)

<i>15/11</i>	<i>TSIM/LEUNG</i>
<i>17/11; 22/11</i>	<i>TSIM/LEUNG</i>
<i>24/11; 29/11</i>	<i>TSIM/LEUNG</i>