LIFS 4820: Entrepreneurship in Biotechnology (Fall 20/21)

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  
Zoom

Friday  
10:30 – 11:50  
Zoom

Text Book:  
*Biotechnology Entrepreneurship*  
*Introduction to Biotechnology*  
Shimasaki et al 2014  
Elsevier

*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.
- 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  
7/9; 11/9  
TSIM

2. Biotechnology industry-an engine of innovation  
14/9  
TSIM

3. Essential elements for growing biotechnology cluster  
18/9, 21/9  
TSIM

4. Biotechnology in Hong Kong and Greater China  
25/9, 28/9  
TSIM

5. Establishing a business in Hong Kong  
5/10  
TSIM

6. Commercial landscape of HK biotech- 2018  
9/10  
TSIM

7. Spin-off companies from HKUST  
12/10  
VISTOR

8. How to prepare for your business venture  
16/10  
DR. LAW

9. How to prepare for your business venture  
19/10  
DR. LAW
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**Mid-term Assessment**

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**Presentation (Final Assessment)**

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