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

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 2610
     Friday      10:30 – 11:50   Rm 2610
Text Book:  

**Biotechnology Entrepreneurship**  
Shimasaki et al 2014   Elsevier
Introduction to Biotechnology  
Thieman et al 2014  Pearson
Phytocosmetics and Cosmetic Science  
Lourith and Tsim 2021  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%

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<td>2. Biotechnology industry-an engine of innovation</td>
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<td>3. Essential elements for growing biotechnology cluster</td>
<td>13/9, 17/9</td>
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<td>4. Biotechnology in Hong Kong and Greater China</td>
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<td>5. Establishing a business in Hong Kong</td>
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<td>6. Commercial landscape of HK biotech- 2018</td>
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<td>7. Spin-off companies from HKUST</td>
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<td>8. How to prepare for your business venture</td>
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<td>9. How to prepare for your business venture</td>
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10. How to prepare for your business venture 18/10 Dr. LAW
11. How to prepare for your business venture 22/10 Dr. LAW
12. How to prepare for your business venture 25/10 Dr. LAW

Mid-term Assessment 29/10 TSIM

13. Personal cosmetics industry in Hong Kong/China 1/11 V. CHOI
14. Establishing a business (Health Drink) in Hong Kong 5/11 Dr. CHAN
15. Establishing a business (consulting) in Hong Kong 8/11 Dr. TAM
16. Establishing a business (consulting) in Hong Kong 12/11 Dr. TAM
17. Financial investment 15/11 B. WONG
18. Visit 19/11 TSIM/LEUNG

Presentation (Final Assessment) 22/11, 26/11, 29/11 TSIM