

The Chinese University of Hong Kong  
Faculty of Science  
Science Academy for Young Talent

Summer Courses 2024  
Course Outline

*CUSA1033 Great Discoveries in Biomedical Sciences Practical One*  
*生物醫學大發現 實習二*

**Introduction:** This practical course aims at supplementing the lecture courses **CUSA2013 Great Discovery in Biomedical Sciences (Senior Class)** or **CUSA3003 Biological Science Student Knowledge Enhancement Course** with some practical skills of scientific method and data presentation.

本實習科旨在為修讀 **CUSA2013 生物醫學大發現(高級班)** 或 **CUSA3003 生命科學學生知識增進課程** 之同學提供有關科學方法和數據表達的實習。

**Learning Outcomes:** After taking this course, students are expected to

1. evaluate the importance of laboratory safety and bioethics;
2. explain what is scientific method;
3. list the basic steps of scientific method;
4. design a relevant experiment based on a hypothesis;
5. analyze and present the raw data of an experiment;
6. recognize the general practice of data presentation in the field of biomedical science;
7. criticize the effectiveness of data presentation.

**Medium of Instruction:** Cantonese supplemented with English  
粵語輔以英語

**Organising Unit:** Biochemistry Programme, School of Life Sciences, Faculty of Science, CUHK

**Teachers:**



**Dr. LO Fai Hang (羅輝恒博士)**  
Lecturer  
School of Life Sciences, CUHK  
Rm. G83, Science Centre, CUHK  
Tel: 3943 5019, E-mail: [lofaihang@cuhk.edu.hk](mailto:lofaihang@cuhk.edu.hk)

**Demonstrators:** Students from Programme of Biochemistry, School of Life Sciences, CUHK

**Course Content:**

<p>31 August 2024 (Saturday)</p> <p>10:00 am – 2:00 pm</p>	<p><b><u>In-class activities &amp; Assessment:</u></b></p> <ul style="list-style-type: none"> <li>• Introduction to laboratory safety and bioethics 實驗室安全簡介及生物倫理</li> <li>• Discussion of scientific method 科學方法討論</li> <li>• Data analysis and presentation 數據分析及表達</li> <li>• Discussion and exercise 小組討論 / 習作</li> </ul>
<p>7*, 14* December 2024 (Saturday)</p> <p>4:00 pm – 6:00 pm</p>	<p>Make-up Class</p>

<b>Date</b>	31 August, 7*, 14* December 2024 (4 hours)			
<b>Time</b>	10:00 am – 2:00 pm or 4:00 pm – 6:00 pm			
<b>Teaching Mode</b>	Face to Face (The Chinese University of Hong Kong)			
<b>Enrollment</b>	25 – 40			
<b>Expected Applicants</b>	Students who are promoting or studying S5 – S6 who are interested in biomedical sciences			
<b>Tuition Fee</b>	HKD 1,200.00			
<b>Credit</b>	0.25 Academy Unit(s) <i>Students can accumulate credits which will be regarded as “Other Learning Experience” when applying University.</i>			
<b>Grading Methods</b>	<i>Certificate</i>	<i>Assessment</i>	<i>Attendance</i>	<i>Credit(s)</i>
	<b>Distinction</b>	<i>Certificate of Distinction</i>	<i>Excellent</i>	<i>&gt;75%</i> <i>0.25</i>
	<b>Pass</b>	<i>Certificate of Merit</i>	<i>Pass</i>	<i>&gt;75%</i> <i>0.25</i>
	<b>Attended</b>	<i>Certificate of Attendance</i>	<i>Fail</i>	<i>&gt;75%</i> <i>0</i>
	<b>Fail</b>	<i>N/A</i>	<i>Fail</i>	<i>N/A</i> <i>0</i>
<b>Remarks:</b>	<b>Students need to bring along a laptop or tablet for the course</b>			

\* This date is reserved for make-up classes in case there is any cancellation of classes due to unexpected circumstances.