

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

Autumn Courses 2022  
Course Outline

*CUSA3003 Biological Science Student Knowledge Enhancement Course*  
*生命科學學生知識增進課程*

**Introduction:**

The 'Biological Science Knowledge Enhancement Course' is designed specifically for Form 4 to Form 6 students, who are interested in Biological Science. The course is composed of two modules. In Module I of this course, the objectives are to provide the students with basic principles and concepts related to biological science. In Module II, the objectives are to provide the students with more specific knowledge related to the applications of biological science.

「生命科學學生知識增進課程」是專為中四至中六對生命科學感興趣的學生而設的知識增潤課程。此課程分為兩個單元。課程第一單元的目標為介紹生命科學中的基本理論和概念。在第二單元，本課程將進一步向學生介紹一些生命科學中較為深入的知識及應用。

**Medium of Instruction:**

Cantonese supplemented with English

**Organising Unit:**

Biochemistry Programme, School of Life Sciences, Faculty of Science, CUHK

**Teachers:**

Dr. LO Fai Hang

School of Life Sciences, CUHK

Rm. 507B, Mong Man Wai Building, CUHK

Tel: 3943 4359, E-mail: [lofaihang@cuhk.edu.hk](mailto:lofaihang@cuhk.edu.hk)

**Demonstrators:**

Students from Programme of Biochemistry, School of Life Sciences, CUHK

**Course Content:**

5 November 2022 (Saturday)  10:00 am – 1:00 pm 2:00 pm – 5:30 pm	<b><u>Lecture:</u></b> <ul style="list-style-type: none"> <li>• Introduction to biomolecules</li> <li>• Understanding metabolism</li> <li>• Introduction to cells</li> </ul>
12 November 2022 (Saturday)  10:00 am – 1:00 pm 2:00 pm – 5:30 pm	<b><u>Lecture:</u></b> <ul style="list-style-type: none"> <li>• Understanding physiology</li> <li>• Basic molecular biology and molecular genetics</li> <li>• Introduction to immunology and haematology</li> <li>• Understanding microbiology and infectious diseases</li> <li>• Basic neurobiology</li> <li>• Basic endocrinology</li> </ul>
19 November 2022 (Saturday)  10:00 am – 1:00 pm 2:00 pm – 5:30 pm	<b><u>Lecture:</u></b> <ul style="list-style-type: none"> <li>• Understanding physiology</li> <li>• Basic molecular biology and molecular genetics</li> <li>• Introduction to immunology and haematology</li> <li>• Understanding microbiology and infectious diseases</li> <li>• Basic neurobiology</li> <li>• Basic endocrinology</li> </ul>
26 November 2022 (Saturday)  10:00 am – 1:00 pm 2:00 pm – 5:30 pm	<b><u>Lecture:</u></b> <ul style="list-style-type: none"> <li>• Understanding physiology</li> <li>• Basic molecular biology and molecular genetics</li> <li>• Introduction to immunology and haematology</li> <li>• Understanding microbiology and infectious diseases</li> <li>• Basic neurobiology</li> <li>• Basic endocrinology</li> </ul>
10 December 2022* (Saturday)  10:00 am – 1:00 pm 2:00 pm – 5:30 pm	Make-up Class

<b>Duration</b>	4 whole day sessions (total 26 contact hours)
<b>Date</b>	5, 12, 19, 26 November 2022 10 December 2022* (Make-up class)
<b>Time</b>	10:00 am – 1:00 pm; 2:00 pm – 5:30 pm
<b>Venue</b>	Face to Face (The Chinese University of Hong Kong)
<b>Enrollment</b>	15-30
<b>Expected applicants</b>	Students who are promoting to or studying S4-S6
<b>Tuition Fee</b>	HKD 3,660.00
<b>Credit</b>	1.75 Academy Unit Certificate or letter of completion will be awarded to students who attain at least 75% attendance and pass the assessment (if applicable)

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

# This course will be offered on CUHK campus in face-to-face mode only. It may be cancelled in accordance with the pandemic development and the policy of the university.