

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

Autumn Courses 2020
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

Demonstrators:

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

Course Content:

10 October 2020 (Saturday) 10:00 am – 1:15 pm	<u>Lecture:</u> • Introduction to biomolecules • Understanding metabolism
17 October 2020 (Saturday) 10:00 am – 1:15 pm	<u>Lecture:</u> • Understanding metabolism • Introduction to cells
24 October 2020 (Saturday) 10:00 am – 1:15 pm	<u>Lecture:</u> • Understanding physiology
31 October 2020 (Saturday) 10:00 am – 1:15 pm	<u>Lecture:</u> • Understanding physiology • Basic molecular biology and molecular genetics
7 November 2020 (Saturday) 10:00 am – 1:15 pm	<u>Lecture:</u> • Introduction to immunology and haematology
14 November 2020 (Saturday) 10:00 am – 1:15 pm	<u>Lecture:</u> • Understanding microbiology and infectious diseases
21 November 2020 (Saturday) 10:00 am – 1:15 pm	<u>Lecture:</u> • Basic neurobiology
28 November 2020 (Saturday) 10:00 am – 1:15 pm	<u>Lecture:</u> • Basic endocrinology
5 December 2020* (Saturday) 10:00 am – 1:15 pm	Make-up Class

Duration	8 half day sessions (total 26 contact hours)
Date	10, 17, 24, 31 October, 7, 14, 21, 28 November 2020 5 December 2020* (Make-up class)
Time	10:00 am – 1:15 pm;
Teaching Platform	Online Teaching (ZOOM)
Enrollment	15
Expected applicants	Students who are promoting to or studying S4-S6
Tuition Fee	HKD 2,928.00
Credit	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.