

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

Summer Courses 2016
Course Outline

CUSA3003 Biological Science Student Knowledge Enhancement Course
生物分子的化學與分析

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

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Demonstrators:

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

Course Content:

15 August 2016 (Monday)	<u>Lecture:</u> <ul style="list-style-type: none">• Introduction to biomolecules• Understanding metabolism• Introduction to cells
17 August 2016 (Wednesday)	<u>Lecture:</u> <ul style="list-style-type: none">• Understanding physiology• Basic molecular biology and molecular genetics• Introduction to immunology and haematology• Understanding microbiology and infectious diseases• Basic neurobiology• Basic endocrinology
19 August 2016 (Friday)	<u>Lecture:</u> <ul style="list-style-type: none">• Understanding physiology• Basic molecular biology and molecular genetics• Introduction to immunology and haematology• Understanding microbiology and infectious diseases• Basic neurobiology• Basic endocrinology
22 August 2016 (Monday)	<u>Lecture:</u> <ul style="list-style-type: none">• Understanding physiology• Basic molecular biology and molecular genetics• Introduction to immunology and haematology• Understanding microbiology and infectious diseases• Basic neurobiology• Basic endocrinology
24 August 2016* (Wednesday)	Make up Class

Duration	4 days (total 26 contact hours)
Date	15, 17, 19, 22 August 2016 24 August 2016* (Make up class)
Time	10:00 am – 13:30 pm; 2:30 pm – 5:30 pm
Venue	The Chinese University of Hong Kong
Enrollment	15
Expected applicants	S4 – S6 students
Tuition Fee	HKD 2,800.00
Credit	2 Academy Unit Certificates or letters of completion will be awarded to students upon completion.

* This date is reserved for make up classes in case there is any cancellation of classes due to bad weather or other factors.