

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

Summer Courses 2023
Course Outline

CUSA1071 How Chemistry Works
化學的真相

Introduction: This course is designed for students to learn about some fundamental chemical principles. Students will learn the basic principles of chemistry including atoms and molecules, structure and chemical bondings, molecular geometry and properties. This course is conducted in the format of lecture.

本課程的設計旨在讓同學學到一些基礎化學原理。同學會在課程中學到基礎化學原理如原子與分子、結構與化學鍵合、分子幾何及特性。課程以講課形式進行。

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

Organising Unit: Department of Chemistry, Faculty of Science, CUHK

Teachers:



Dr. MAK Kin Wah Kendrew (麥建華博士)

Senior Lecturer

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Course Content:

<p>31 July 2023 (Monday)</p> <p>9:30 am – 12:30 pm 2:00 pm – 5:00 pm</p>	<p><u>Lecture:</u> Atoms and molecules, structure and chemical bondings (1)</p> <p><u>Assessment:</u> Short-answer exercise</p>
<p>2 August 2023 (Wednesday)</p> <p>9:30 am – 12:30 pm 2:00 pm – 4:00 pm</p>	<p><u>Lecture:</u> Atoms and molecules, structure and chemical bondings (2)</p> <p><u>Assessment:</u> Short-answer exercise</p>
<p>4 August 2023 (Friday)</p> <p>9:30 am – 12:30 pm 2:00 pm – 5:00 pm</p>	<p>Make-up Class</p>

Duration	2 day sessions (total 11 contact hours)
Date	31 July, 2 August 2023 4 August 2023* (make-up class)
Time	9:30 am – 12:30 pm & 2:00 pm – 4:00/5:00 pm
Teaching Mode	Face to Face (The Chinese University of Hong Kong)
Enrollment	20 – 30
Expected Applicants	Students who are studying S1 – S3
Tuition Fee	HKD 2,310.00
Credit	0.75 Academy Unit Certificate of completion will be awarded to students who pass the assessment (if applicable) and attain at least 75% attendance.
Grading Methods	Letter grades range from A to F.

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