

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

Summer Courses 2022
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 (and written materials in English)

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

Teachers: Dr. Cheung Yu San
Department of Chemistry, CUHK
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Course Content:

22 August 2022 (Monday) 9:30 am – 12:30 pm 2:00 pm – 5:00 pm	<u>Lecture:</u> Atoms and molecules, structure and chemical bondings (1) <u>Assessment:</u> Short-answer exercise
24 August 2022 (Wednesday) 9:30 am – 12:30 pm 2:00 pm – 4:00 pm	<u>Lecture:</u> Atoms and molecules, structure and chemical bondings (2) <u>Assessment:</u> Short-answer exercise
25 August 2022* (Thursday) 9:30 am – 12:30 pm 2:00 pm – 5:00 pm	Make-up Class

Duration	2 day sessions (total 11 contact hours)
Date	22, 24 August 2022 25 August 2022* (make-up class)
Time	9:30 am – 12:30 pm and 2:00 pm – 4:00/5:00 pm
Teaching Mode[#]	Face to Face (The Chinese University of Hong Kong)
Enrollment	24
Expected Applicants	Students who are studying S1-S3 (in the academic year 2021-2022)
Tuition Fee	HKD 2,310.00
Credit	0.75 Academy Unit Certificates or letters of completion will be awarded to students who attain at least 75% attendance.

* 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. It may switch to online teaching in accordance with the pandemic development and the policy of the university.