



E3CHE005C

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**Chemistry Course (Level III)**

# The inquisitive Chemist

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**Application Deadline**  
**2 Aug 2022, 12:00 noon**

**Result Release**  
**5 Aug 2022**

## **Intended Learning Outcomes**

Upon completion of the programme, participants should be able to:

1. elaborate the role of chemical analysis in ensuring the safety and quality of all our daily necessities;
2. conduct analysis by applying a variety of modern chemical analysis methods in food, medicines, and environment samples;
3. apply chemical knowledge to real analytical chemistry problems through a scientific process;
4. complete their duties of a chemist in laboratory to work as a team player;
5. maintain high integrity in handling analytical data related to human health.



## ◆ Introduction

This course aims to provide students with opportunities to design and conduct chemical analysis to solve problems faced in real life situations. For example, students will learn how to identify active ingredients in Chinese and Western medicines. Through experiments and various learner-based activities, students will gain hands-on experiences in conducting scientific investigations in the field of analytical chemistry. Students will conduct chemical analysis in food, medicines and Chinese medicines. More importantly, this course offers a valuable opportunity to gifted students to get in touch with the advanced analytical instruments used in chemistry and other interdisciplinary research.

## ◆ Schedule

Session	Date	Time	Venue
1	15 Aug	2:00 p.m. – 6:00 p.m.	Main Campus, The University of Hong Kong (Room to be confirmed)
2	16 Aug	2:00 p.m. – 6:00 p.m.	
3	17 Aug	10:00 a.m. – 1:00 p.m.	
4	17 Aug	2:00 p.m. – 6:00 p.m.	
5	18 Aug	10:00 a.m. – 1:00 p.m.	
6	18 Aug	2:00 p.m. – 6:00 p.m.	
7	19 Aug	10:00 a.m. – 1:00 p.m.	
8	19 Aug	2:00 p.m. – 6:00 p.m.	
9	22 Aug	10:00 a.m. – 1:00 p.m.	
10	22 Aug	2:00 p.m. – 5:00 p.m.	

## ◆ Target Participants

- S4 to S6 HKAGE student members  
Class size: 40

## ◆ Pre-requisite

No special prerequisites are needed

## ◆ Certificate

E-Certificate will be awarded to participants who have:

- attended at least 8 sessions; and
- completed all the assignments with satisfactory performance

## ◆ Screening

Please answer the screening question in the online application form.

\*The screening question is designed to help the applicant understand the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question. Only students who can demonstrate motivation and the knowledge of chemistry in the screening question can be enrolled in the programme

## ◆ Medium of Instruction

English (Supplemented with Cantonese) with English handouts