



## Practical Synthetic and Analytical Chemistry I (E3CHE003C)

<b>Introduction</b>	In this class, the students will explore synthetic and analytical chemistry through seven experiments. In these experiments, you will have the opportunity to prepare exciting compounds with unique properties, such as fluorescent phosphors and acid-base indicators. You will also get to explore electrochemistry in making chemical cells and electroplating, as well as to carry out some simple chemical forensic tests. This course will teach you hands-on practical lab skills across a range of techniques, such as inorganic and organic synthesis, titrations and reaction rate measurements. The course will be both educational and fun for chemistry enthusiasts.		
<b>Programme Type / Level</b>	Chemistry Course (Level III) ( <a href="#">Token-required</a> )		
<b>Instructor(s)</b>	Prof Jason Chan (Department of Chemistry, The Hong Kong University of Science and Technology)		
<b>Pre-requisite</b>	<ul style="list-style-type: none"><li>• HKAGE student member who are studying high school level chemistry</li></ul>		
<b>Target Participants</b>	<ul style="list-style-type: none"><li>➢ S4 to S6 HKAGE student members</li><li>➢ Class size: 30</li></ul> Priority will be given to students who also apply for Chemistry Course (Level III): Practical Synthetic and Analytical Chemistry II (E3CHE004C).		
<b>Medium of Instruction</b>	English with English Handouts		
<b>Certificate</b>	<b>E-Certificate</b> will be awarded to participants who have: <ul style="list-style-type: none"><li>❖ Attended <b>AT LEAST 5</b> sessions AND</li><li>❖ Completed all the assessments with satisfactory performance.</li></ul>		
<b>Intended Learning Outcomes</b>	Upon completion of the programme, participants should be able to: <ul style="list-style-type: none"><li>• conduct chemical synthesis of various compounds and analyze their properties;</li><li>• perform forensic analysis and explain the chemistry theories behind it;</li><li>• explain the chemistry of the synthesis and analysis process.</li></ul>		
<b>Screening</b>	Please answer the screening question in the online application form. *The screening question is designed to help the applicant understands 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.		
<b>Application Deadline</b>	<del>5 Jul 2021, 12:00 n.n</del>	<b>Application Result Release Date</b>	<del>9 Jul 2021</del> <b>14 Jul 2021</b>
If student members withdraw from the programme after the Application Deadline, the token will be deducted.			

## Schedule

Session	Date	Time	Venue
1	<del>21 Jul</del> 26 Jul	2:00 p.m. – 5:00 p.m.	CYT-UG002, School of Science Teaching Laboratory, The Hong Kong University of Science and Technology ( <a href="#">Map</a> )
2	<del>23 Jul</del> 28 Jul		
3	<del>28 Jul</del> 30 Jul		
4	<del>30 Jul</del> 31 Jul		
5	<del>4 Aug</del> 2 Aug		
6	<del>6 Aug</del> 4 Aug		
7	<del>7 Aug</del> 6 Aug		

## Enquiries

For enquiries, please contact Academic Programme Development Division on 3940 0101 after language selection, press "1".

SCIENCES

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