



Practical Synthetic and Analytical Chemistry II (E3CHE004C)

Introduction	In this class, the students will explore more advanced synthetic and analytical chemistry through seven experiments. In these experiments, you will have the opportunity to prepare exciting compounds with unique properties, such as painkiller drugs, fluorescent dye, glow-in-the-dark pigment and teeth brightening agent. You will also get to explore spectroscopic techniques such as NMR spectroscopy. This course will teach you hands-on practical lab skills across a range of techniques, such as inorganic and organic synthesis, and extraordinary titrations. The course will be both educational and fun for chemistry enthusiasts.		
Programme Type / Level	Chemistry Course (Level III) (Token-required)		
Instructor(s)	Prof Jason Chan (Department of Chemistry, The Hong Kong University of Science and Technology)		
Pre-requisite	<ul style="list-style-type: none">• HKAGE student member who are studying high school level chemistry		
Target Participants	<ul style="list-style-type: none">➢ S4 to S6 HKAGE student members➢ Class size: 30 Priority will be given to students who also apply for Chemistry Course (Level III): Practical Synthetic and Analytical Chemistry I (E3CHE003C).		
Medium of Instruction	English with English Handouts		
Certificate	E-Certificate will be awarded to participants who have: <ul style="list-style-type: none">❖ Attended AT LEAST 5 sessions AND❖ Completed all the assessments with satisfactory performance.		
Intended Learning Outcomes	Upon completion of the programme, participants should be able to: <ul style="list-style-type: none">• identify the application of different spectroscopic techniques• conduct chemical synthesis of various compounds and analyze their properties with spectroscopic, titration or other techniques• explain the chemistry of the synthesis and analysis process		
Screening	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.		
Application Deadline	5 Jul 2021, 12:00 n.n	Application Result Release Date	9 Jul 2021
	12 Jul 2021, 12:00 n.n		14 Jul 2021
If student members withdraw from the programme after the Application Deadline, the token will be deducted.			

Schedule

Session	Date	Time	Venue
1	9 Aug	2:00 p.m. – 5:00 p.m.	CYT-UG002, School of Science Teaching Laboratory, The Hong Kong University of Science and Technology (Map)
2	11 Aug 10 Aug		
3	13 Aug 11 Aug		
4	16 Aug 12 Aug		
5	18 Aug 13 Aug		
6	20 Aug 16 Aug		
7	21 Aug 17 Aug		

Enquiries

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

SCIENCES

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