



Chemist in Laboratory II –

Introduction to Analytical Chemistry and Quantitative Analysis

(SCIO3122)

Introduction	<p>This online learning programme is a tailor-made teaching workshop consisting of reading materials, self-exploration interactive exercises and tests related to analytical chemistry. The programme aims to:</p> <ul style="list-style-type: none">■ Develop student members' analytical concepts and skills by introducing basic principles of chemical analysis;■ Illustrate classical and instrumental analysis as well as their strengths and limitation(s);■ Introduce the basic principles of modern analytical instruments; and■ Demonstrate some current analytical tests related to our daily life so as to arouse student members' interest in analytical chemistry.
Programme Type / Level	Online Learning Programme in Chemistry (Level 4) (Non Token-required)
Writer	Dr. Pak-wing KONG
Target Participants	<p>➤ S1 to S6 HKAGE student members</p> <p>* Students who fail the online programme can enrol in it again in the next quarter. (Quarter ONE: 2 April – 30 June; Quarter TWO: 2 July – 30 Sep; Quarter THREE: 2 Oct – 30 Dec; Quarter FOUR: 2 Jan – 30 Mar).</p>
Medium of Instruction	English
Intended Learning Outcomes	<p>Upon completion of the programme, participants should be able to:</p> <ol style="list-style-type: none">1. Understand the fundamentals of calibration and standardization procedures in analytical chemistry;2. Be familiar with the logic behind analytical sampling, sample preparation and experimental design;3. Improve their information processing skills by learning the following topics: Quality assurance, data interpretation and method validation; and4. Accelerate learning in chemistry by acquiring the knowledge of basic principles of modern analytical instruments
Duration	16 – 18 hours
System Requirement	Browser: IE 8 OR above; Firefox 6 OR above; Safari Screen resolution: 1024x768
Application Procedure	<ol style="list-style-type: none">1. Click "HERE" to go to online application platform2. Complete and submit the online application form3. You and your parent will receive the Online Application Confirmation email from our system4. Click "HERE" to access to the moodle platform5. Use the USERNAME and PASSWORD indicated in the email to login6. You may start now!
Remarks	<ul style="list-style-type: none">● You have to pass the online test in order to complete the course by attempting ONCE only.● A tick next to an activity name may be used to indicate when the activity is complete. If a box with a solid border is shown, please click it to tick the box when you think you have completed the activity. (Clicking it again removes the tick if you change your mind.)
Enquiries	For enquiries, please contact us at 3940 0101 after language selection, press "1".