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## Quality Assurance in Chemical Analysis

July 18 – 20, 2018

### COURSE DESCRIPTION:

The course is a three-day lecture-workshop covering the topic on quality protocols in chemical analysis including basic statistics. The technical aspects of QA as described by Eurachem/CITAC Guide such as selection of method, method validation, measurement of uncertainty, metrological traceability including quality control both internal and external procedures are emphasized in ensuring the quality of analytical data generated by a laboratory. Participants will be taught on how to make and use a quality control chart to maintain the quality standard of the analysis. Exercises will focus on gravimetric, titrimetric, chromatographic and spectrophotometric methods of analysis.

### COURSE OBJECTIVES:

This training course aims to

1. Provide knowledge of the technical aspects of quality assurance in chemical analysis and practical application of basic statistics.
2. Emphasize the importance of both internal and external quality control procedures in order to generate meaningful data.
3. Incorporate problem-solving exercises which will focus on gravimetric, titrimetric, spectrophotometric and chromatographic methods of analysis.

### ENTRY COMPETENCIES of PARTICIPANTS:

The Training Course on Quality Assurance in Chemical Analysis requires experience and a certain competency level. Thus, the following minimum requirements are the prerequisites of the RASL for the participants of this course offering:

1. BS Chemistry/BS Biochemistry/BS Chemical Engineering/BS Food Technology graduate
2. At least 6 months chemistry laboratory experience if endorsed by their company or agency
3. One (1) year chemistry laboratory experience if for professional development

**VENUE:** UP NSRI Conference Room

**TRAINING FEE:** P10,000.00 per participant (Inclusive of training manual, lunch, AM and PM snacks and certificate of completion or participation. Non-refundable but transferable with prior arrangement at least one week before the scheduled training program).

**DEADLINE of REGISTRATION:** June 29, 2018 (maximum no. of 20 participants)

### TERMS and CONDITIONS:

1. A full payment, in cash or check, of the Training Fee is required on or before **July 6, 2018** to confirm your registration.  
*Note 1:* cash payment can be deposited to the **UP Diliman Land Bank Peso Acct. No. 3072-1007-18**.  
*Note 2:* Please send scanned copy of the check or Land Bank deposit slip through email (please see below).
2. Payment in check should be addressed to the University of the Philippines but will be delivered to the UP NSRI-RASL on the first day of the training course.
3. The University of the Philippines Diliman is a non-VAT taxpayer. Any tax deduction in the training fee should be refunded by the participant/company.
4. Each participant should provide his/her own laptop.