

CHEM3420 Accreditation of Laboratory Tests

Course Description:

General practices and rules in testing laboratory, ISO Guide 17025, Laboratory Accreditation in HK (HOKLAS), Method Validation, Measurement Uncertainty, Proficiency Testing as well as Case Study in testing laboratories.

Pre-requisite:

CHEM2400 & CHEM3410

Main Course Outline (for reference only):

1. Introduction and Quality Assurance in Analytical Laboratory
2. Laboratory Accreditation
3. Testing Methods and Validation
4. Measurement Traceability, Reference Materials, Equipment
5. Calibration and Proficiency Testing
6. Uncertainty Estimations
7. Practical Concerns of Accredited Laboratory