



University of Pretoria Yearbook 2019

Analytical chemistry B 707 (CMY 707)

| | |
|-------------------------------|--|
| Qualification | Postgraduate |
| Faculty | Faculty of Natural and Agricultural Sciences |
| Module credits | 10.00 |
| Programmes | BScHons Chemistry |
| Prerequisites | No prerequisites. |
| Contact time | 1 discussion class per week for 4 weeks, 6 lectures per week for 4 weeks |
| Language of tuition | Module is presented in English |
| Department | Chemistry |
| Period of presentation | Semester 1 or Semester 2 |

Module content

Selected aspects: Electrochemistry: fundamental theory, voltammetry, metal-ligand equilibria, modelling and measurement of solution composition. Statistics: precision and accuracy, random errors, hypothesis testing, method of least squares, curve fitting, multivariate statistics, interpreting patterns of data. Chemical metrology: propagation of errors, quality control of quantitative and qualitative analytical information, international standards, interlaboratory calibration

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.