



# University of Pretoria Yearbook 2022

## Analytical chemistry B 707 (CMY 707)

<b>Qualification</b>	Postgraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	10.00
<b>NQF Level</b>	08
<b>Programmes</b>	<a href="#">BSchHons Chemistry</a>
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	1 discussion class per week for 4 weeks, 6 lectures per week for 4 weeks
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Chemistry
<b>Period of presentation</b>	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

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