

University of Pretoria Yearbook 2022

Analytical chemistry A 706 (CMY 706)

Qualification Postgraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module credits 10.00

NQF Level 08

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 of: Mass spectrometry: ion sources, analysers, detectors, isotope ratios, accurate mass, ion fragmentation, tandem mass spectrometry. Chromatography: theory and instrumentation of gas, liquid and supercritical fluid chromatography, multidimensional systems and coupling to mass spectrometry.

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