

# University of Pretoria Yearbook 2017

## Analytical chemistry A 706 (CMY 706)

**Qualification** Postgraduate

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

**Module credits** 10.00

**Programmes** [BScHons Chemistry](#)

**Contact time** 6 lectures per week for 4 weeks, 1 discussion class per week for 4 weeks

**Language of tuition** Module is presented in English

**Academic organisation** 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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