



University of Pretoria Yearbook 2022

Physical chemistry A 716 (CMY 716)

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

Crystallography: theoretical principles, symmetry elements and operations, point groups, space groups, theory of crystals, X-rays, crystallographic techniques, structure determinations, powder diffraction and crystallographic data bases.

Molecular modelling: molecular structure/energy, methodology, principles and and molecular surfaces.

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