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# University of Pretoria Yearbook 2018

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## Physical chemistry A 716 (CMY 716)

<b>Qualification</b>	Postgraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	10.00
<b>Programmes</b>	<a href="#">BScHons 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

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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