

# University of Pretoria Yearbook 2016

## Inorganic chemistry 285 (CMY 285)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	Faculty of Natural and Agricultural Sciences
<b>Module credits</b>	12.00
<b>Programmes</b>	BEd Senior Phase and Further Education and Training Teaching BSc(Computer Science) Computer Science BSc Biochemistry BSc Chemistry BSc Environmental and Engineering Geology BSc Environmental Sciences BSc Genetics BSc Geography BSc Geoinformatics BSc Geology BSc Human Physiology BSc Meteorology BSc Microbiology BSc Physics BSc Plant Science
<b>Service modules</b>	Faculty of Education
<b>Prerequisites</b>	CMY 117 and CMY 127
<b>Contact time</b>	2 practicals per week, 1 tutorial per week, 4 lectures per week
<b>Language of tuition</b>	English
<b>Academic organisation</b>	Chemistry
<b>Period of presentation</b>	Quarter 4

### Module content

Theory: Atomic structure, structure of solids (ionic model). Coordination chemistry of transition metals: Oxidation states of transition metals, ligands, stereochemistry, crystal field theory, consequences of d-orbital splitting, chemistry of the main group elements, electrochemical properties of transition metals in aqueous solution, industrial applications of transition metals. Introduction to IR spectroscopy.

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