



University of Pretoria Yearbook 2016

Inorganic chemistry 285 (CMY 285)

Qualification Undergraduate

Faculty Faculty of Natural and Agricultural Sciences

Module credits 12.00

Programmes 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

Service modules Faculty of Education

Prerequisites CMY 117 and CMY 127

Contact time 2 practicals per week, 1 tutorial per week, 4 lectures per week

Language of tuition English

Academic organisation Chemistry

Period of presentation 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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