



University of Pretoria Yearbook 2016

Inorganic chemistry 385 (CMY 385)

Qualification Undergraduate

Faculty Faculty of Natural and Agricultural Sciences

Module credits 18.00

Programmes 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

Service modules Faculty of Education

Prerequisites CMY 282, CMY 283, CMY 284 and CMY 285

Contact time 2 practicals per week, 4 lectures per week, 1 discussion class per week

Language of tuition English

Academic organisation Chemistry

Period of presentation Quarter 2

Module content

Theory: Structure and bonding in inorganic chemistry. Molecular orbital approach, diatomic and polyatomic molecules, three-centre bonds, metal-metal bonds, transition metal complexes, magnetic properties, electronic spectra, reactivity and reaction mechanisms, reaction types, acid-base concepts, non-aqueous solvents, special topics.



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