



# University of Pretoria Yearbook 2019

## Inorganic chemistry 385 (CMY 385)

**Qualification** Undergraduate

**Faculty** Faculty of Natural and Agricultural Sciences

**Module credits** 18.00

**Programmes** BSc Applied Mathematics

BSc Biochemistry

BSc Chemistry

BSc Environmental Sciences

BSc Geology

BSc Human Physiology

BSc Mathematics

BSc Physics

**Service modules** Faculty of Education

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

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

**Language of tuition** Module is presented in English

**Department** 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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