



University of Pretoria Yearbook 2023

Inorganic chemistry 385 (CMY 385)

Qualification Undergraduate

Faculty Faculty of Natural and Agricultural Sciences

Module credits 18.00

NQF Level 07

Programmes BSc (Applied Mathematics)

BSc (Biochemistry)

BSc (Chemistry)

BSc (Geology)

BSc (Human Physiology)

BSc (Mathematics)

BSc (Physics)

BSc (Plant Science)

Service modules Faculty of Education

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

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