

## University of Pretoria Yearbook 2016

## Inorganic chemistry 385 (CMY 385)

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|------------------------|---|
| 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   |
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## **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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