

University of Pretoria Yearbook 2017

Chemistry 151 (CMY 151)

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| Qualification | Undergraduate |
| Faculty | Faculty of Natural and Agricultural Sciences |
| Module credits | 16.00 |
| Programmes | BChD BPhysio MBChB BVSc |
| Service modules | Faculty of Health Sciences |
| Prerequisites | Refer to Regulation 1.2 |
| Contact time | 4 lectures per week, 1 practical per week |
| Language of tuition | Separate classes for Afrikaans and English |
| Academic organisation | Chemistry |
| Period of presentation | Semester 1 |

Module content

Theory: Introduction to general chemistry: Measurement in chemistry, matter and energy, atomic theory and the periodic table, chemical compounds and chemical bonds; quantitative relationships in chemical reactions, states of matter and the kinetic theory; solutions and colloids, acids, bases and ionic compounds, chemical equilibria. Introduction to organic chemistry: Chemical bonding in organic compounds, nature, physical properties and nomenclature of simple organic molecules, isomerism, chemical properties of alkanes and cycloalkanes, alkenes, alcohols, aldehydes and ketones, carboxylic acids and esters, amines and amides, carbohydrates, proteins, and lipids. Practicals.

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