



# University of Pretoria Yearbook 2019

## Chemistry 151 (CMY 151)

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| <b>Qualification</b>          | Undergraduate  |
| <b>Faculty</b>                | <a href="#">Faculty of Natural and Agricultural Sciences</a>                                     |
| <b>Module credits</b>         | 16.00  |
| <b>Programmes</b>             | <a href="#">BChD</a><br><a href="#">BPhysio</a><br><a href="#">MBChB</a><br><a href="#">BVSc</a> |
| <b>Service modules</b>        | Faculty of Health Sciences<br>Faculty of Veterinary Science                                      |
| <b>Prerequisites</b>          | A candidate must have Mathematics for at least 60% and 60% for Physical Sciences.                |
| <b>Contact time</b>           | 1 practical per week, 4 lectures per week  |
| <b>Language of tuition</b>    | Module is presented in English   |
| <b>Department</b>             | Chemistry  |
| <b>Period of presentation</b> | 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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