



# University of Pretoria Yearbook 2022

## Chemistry 151 (CMY 151)

|                               |   |
|-------------------------------|---|
| <b>Qualification</b>          | Undergraduate   |
| <b>Faculty</b>                | <a href="#">Faculty of Natural and Agricultural Sciences</a>                                    |
| <b>Module credits</b>         | 16.00   |
| <b>NQF Level</b>              | 05  |
| <b>Programmes</b>             | <a href="#">BChD</a><br><a href="#">BPhysT</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.

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The [General Academic Regulations \(G Regulations\)](#) and [General Student Rules](#) apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-



specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.