



# University of Pretoria Yearbook 2020

## General chemistry 127 (CMY 127)

|                       |  |
|-----------------------|--|
| <b>Qualification</b>  | Undergraduate  |
| <b>Faculty</b>        | Faculty of Natural and Agricultural Sciences   |
| <b>Module credits</b> | 16.00  |
| <b>Programmes</b>     | BEd Senior Phase and Further Education and Training Teaching<br>BSc Computer Science<br>BDietetics<br>BSc Applied Mathematics<br>BSc Biochemistry<br>BSc Biological Sciences<br>BSc Biotechnology<br>BSc Chemistry<br>BSc Culinary Science<br>BSc Ecology<br>BSc Engineering and Environmental Geology<br>BSc Entomology<br>BSc Environmental Sciences<br>BSc Extended programme - Biological and Agricultural Sciences<br>BSc Extended programme - Physical Sciences<br>BSc Food Science<br>BSc Genetics<br>BSc Geography<br>BSc Geology<br>BSc Human Genetics<br>BSc Human Physiology<br>BSc Human Physiology, Genetics and Psychology<br>BSc Mathematics<br>BSc Medical Sciences<br>BSc Meteorology |



BSc Microbiology

BSc Nutrition

BSc Physics

BSc Plant Science

BSc Zoology

BScAgric Agricultural Economics and Agribusiness Management

BScAgric Animal Science

BScAgric Applied Plant and Soil Sciences

BScAgric Plant Pathology

**Service modules**

Faculty of Engineering, Built Environment and Information Technology

Faculty of Education

Faculty of Health Sciences

Faculty of Veterinary Science

**Prerequisites**

Natural and Agricultural Sciences students: CMY 117 GS or CMY 154 GS  
Health Sciences students: none

**Contact time**

1 practical per week, 4 lectures per week

**Language of tuition**

Module is presented in English

**Department**

Chemistry

**Period of presentation**

Semester 2

**Module content**

Theory: General physical-analytical chemistry: Chemical equilibrium, acids and bases, buffers, solubility equilibrium, entropy and free energy, electrochemistry. Organic chemistry: Structure (bonding), nomenclature, isomerism, introductory stereochemistry, introduction to chemical reactions and chemical properties of organic compounds and biological compounds, i.e. carbohydrates and aminoacids. Practical: Molecular structure (model building), synthesis and properties of simple organic compounds.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.