

University of Pretoria Yearbook 2019

General chemistry 127 (CMY 127)

Qualification Undergraduate

Faculty Faculty of Natural and Agricultural Sciences

Module credits 16.00

Programmes BEd Senior Phase and Further Education and Training Teaching

BSc Computer Science

BDietetics

BSc Applied Mathematics

BSc Biochemistry

BSc Biological Sciences

BSc Biotechnology

BSc Chemistry

BSc Culinary Science

BSc Ecology

BSc Engineering and Environmental Geology

BSc Entomology

BSc Environmental Sciences

BSc Extended programme - Biological and Agricultural Sciences

BSc Extended programme - Physical Sciences

BSc Food Science

BSc Genetics

BSc Geography

BSc Geology

BSc Human Genetics

BSc Human Physiology

BSc Human Physiology, Genetics and Psychology

BSc Mathematics

BSc Medical Sciences

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

4 lectures per week, 1 practical 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.

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