



University of Pretoria Yearbook 2022

General chemistry 127 (CMY 127)

Qualification Undergraduate

Faculty Faculty of Natural and Agricultural Sciences

Module credits 16.00

NQF Level 05

Programmes BEd (Senior Phase and Further Education and Training Teaching)

BSc (Computer Science)

BDietetics

BSc (Meteorology)

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 (Food Science)

BSc (Genetics)

BSc (Geography and Environmental Science)

BSc (Geology)

BSc (Human Genetics)

BSc (Human Physiology)

BSc (Human Physiology, Genetics and Psychology)

BSc (Mathematics)

BSc (Medical Sciences)

BSc (Microbiology)

BSc (Nutrition)



BSc (Physics)

BSc (Plant Science)

BSc (Zoology)

BSc extended programme - Biological and Agricultural Sciences

BSc extended programme - Physical Sciences

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.

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