



University of Pretoria Yearbook 2019

General chemistry 117 (CMY 117)

Qualification Undergraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module content General introduction to inorganic, analytical and physical chemistry. Atomic structure and periodicity. Molecular structure and chemical bonding using the VSEOR model. Nomenclature of inorganic ions and compounds. Classification of reactions: precipitation, acid-base, redox reactions and gas-forming reactions. Mole concept and stoichiometric calculations concerning chemical formulas and chemical reactions. Principles of reactivity: energy and chemical reactions. Physical behaviour gases, liquids, solids and solutions and the role of intermolecular forces. Rate of reactions: Introduction to chemical kinetics.

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 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

A candidate must have Mathematics for at least 60% and 60% for Physical Sciences.

Contact time

1 practical per week, 4 lectures per week

Language of tuition

Module is presented in English

Department

Chemistry

Period of presentation

Semester 1

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