



# University of Pretoria Yearbook 2016

## 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\(Computer Science\) Computer Science](#)

[BDietetics Dietetics](#)

[BSc Biochemistry](#)

[BSc Biological Sciences](#)

[BSc Biotechnology](#)

[BSc Chemistry](#)

[BSc Ecology](#)

[BSc Entomology](#)

[BSc Environmental and Engineering Geology](#)

[BSc Environmental Sciences](#)

[BSc Food Management \(4 years\)](#)

[BSc Food Science](#)

[BSc Genetics](#)

[BSc Geography](#)

[BSc Geology](#)

[BSc Human Genetics](#)

[BSc Human Physiology](#)

[BSc Human Physiology, Genetics and Psychology](#)

[BSc Medical Sciences](#)



BSc Meteorology

BSc Microbiology

BSc Nutrition

BSc Physics

BSc Plant Science

BSc Zoology

BScAgric Agricultural Economics: Agribusiness Management

BScAgric Animal Science

BScAgric Animal Science: Pasture Science

BScAgric Food Science and Technology

BScAgric Option: Applied Plant and Soil Sciences

BScAgric Plant Pathology

BVeterinary Science Veterinary Science

**Service modules**

Faculty of Engineering, Built Environment and Information Technology

Faculty of Education

Faculty of Health Sciences

Faculty of Veterinary Science

**Prerequisites**

Final Grade 12 marks of at least 60% for Mathematics and 60% for Physical Sciences.

**Contact time**

1 practical per week, 4 lectures per week

**Language of tuition**

Both Afr and Eng

**Academic organisation**

Chemistry

**Period of presentation**

Semester 1

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