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# University of Pretoria Yearbook 2016

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## 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 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 Extended programme - Biological and Agricultural Sciences BSc Extended programme - Physical 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**

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**

Both Afr and Eng

**Academic organisation**

Chemistry

**Period of presentation**

Semester 2

**Module content**

Theory: General physical-analytical chemistry: Physical behaviour of gases, liquids and solids, intermolecular forces, solutions. Principles of reactivity: energy and chemical reactions, 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 amino acids. 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.