University of Pretoria Yearbook 2016

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) 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.