

University of Pretoria Yearbook 2017

General chemistry 181 (CHM 181)

Qualification Undergraduate

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

Module credits 16.00

Programmes [BEng Chemical Engineering](#)
[BEng Chemical Engineering ENGAGE](#)

Service modules Faculty of Engineering, Built Environment and Information Technology

Prerequisites No prerequisites.

Contact time 1 web-based period per week, 1 practical per week, 4 lectures per week, 1 discussion class per week

Language of tuition Separate classes for Afrikaans and English

Academic organisation Chemistry

Period of presentation Semester 2

Module content

General physical-analytical chemistry: Physical behaviour of gases, liquids and solids, intermolecular forces, solutions, chemical equilibrium, acids and bases, buffers, precipitation. Organic chemistry: Structure (bonding) and functional groups, nomenclature, isomerism, introductory stereo-chemistry, introduction to chemical reactions and chemical properties of organic compounds.

Appropriate tutorial classes and practicals.

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