

University of Pretoria Yearbook 2022

Analytical chemistry 283 (CMY 283)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	12.00
NQF Level	06
Programmes	BEd (Senior Phase and Further Education and Training Teaching)
	BSc (Computer Science)
	BSc (Applied Mathematics)
	BSc (Biochemistry)
	BSc (Chemistry)
	BSc (Engineering and Environmental Geology)
	BSc (Genetics)
	BSc (Geology)
	BSc (Human Physiology)
	BSc (Mathematics)
	BSc (Microbiology)
	BSc (Physics)
	BSc (Plant Science)
Service modules	Faculty of Education
Prerequisites	CMY 117 and CMY 127
Contact time	1 tutorial per week, 2 practicals per week, 4 lectures per week
Language of tuition	Module is presented in English
Department	Chemistry
Period of presentation	Quarter 3

Module content

Statistical evaluation of data in line with ethical practice, gravimetric analysis, aqueous solution chemistry, chemical equilibrium, precipitation-, neutralisation- and complex formation titrations, redox titrations, potentiometric methods, introduction to electrochemistry. Examples throughout the course demonstrate the relevance of the theory to meeting the sustainable development goals of clean water and clean, affordable energy.

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