

# University of Pretoria Yearbook 2022

## Analytical chemistry 283 (CMY 283)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	Faculty of Natural and Agricultural Sciences
<b>Module credits</b>	12.00
<b>NQF Level</b>	06
<b>Programmes</b>	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)
<b>Service modules</b>	Faculty of Education
<b>Prerequisites</b>	CMY 117 and CMY 127
<b>Contact time</b>	1 tutorial per week, 2 practicals per week, 4 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Chemistry
<b>Period of presentation</b>	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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