



# University of Pretoria Yearbook 2021

## Chemistry 133 (CMY 133)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	8.00
<b>NQF Level</b>	05
<b>Programmes</b>	<a href="#">BSc extended programme - Biological and Agricultural Sciences</a> <a href="#">BSc extended programme - Physical Sciences</a>
<b>Service modules</b>	Faculty of Engineering, Built Environment and Information Technology Faculty of Education
<b>Prerequisites</b>	Admission to the relevant programme.
<b>Contact time</b>	2 lectures per week, 3 discussion classes per week, Fortnightly practicals, Foundation Course
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Chemistry
<b>Period of presentation</b>	Semester 1

### Module content

Bonding and molecular geometry: VSEPR theory; bonding and organic compounds (structural formulas, classification and nomenclature); matter and its properties; mole concept; reaction stoichiometry; reactions in aqueous solutions: precipitation, acid base and redox. Practical laboratory exercises and assignments are based on the themes covered in the module theory component. The UN sustainable development goals #6, 7 & 12 are addressed in a practical on industrial pollution.

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