



University of Pretoria Yearbook 2022

Organic chemistry 284 (CMY 284)

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 1

Module content

Resonance, conjugation and aromaticity. Acidity and basicity. Introduction to ^{13}C NMR spectroscopy. Electrophilic addition: alkenes. Nucleophilic substitution, elimination, addition: alkyl halides, alcohols, ethers, epoxides, carbonyl compounds: ketones, aldehydes, carboxylic acids and their derivatives Training in an ethical approach to safety that protects self, others and the environment is integral to the practical component of the course.



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