



# University of Pretoria Yearbook 2017

## Organic chemistry 284 (CMY 284)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	Faculty of Natural and Agricultural Sciences
<b>Module credits</b>	12.00
<b>Programmes</b>	BEd Senior Phase and Further Education and Training Teaching BSc Computer Science BSc Biochemistry BSc Chemistry BSc Engineering and Environmental Geology BSc Genetics BSc Geography BSc Geology 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>	4 lectures per week, 2 practicals per week, 1 tutorial per week
<b>Language of tuition</b>	Module is presented in English
<b>Academic organisation</b>	Chemistry
<b>Period of presentation</b>	Quarter 1

### Module content

Theory: Resonance, conjugation and aromaticity. Acidity and basicity. Introduction to  $^{13}\text{C}$  NMR spectroscopy. Electrophilic addition: alkenes. Nucleophilic substitution, elimination, addition: alkyl halides, alcohols, ethers, epoxides, carbonyl compounds: ketones, aldehydes, carboxylic acids and their derivatives.

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