

# University of Pretoria Yearbook 2017

## Organic chemistry 284 (CMY 284)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	12.00
<b>Programmes</b>	<a href="#">BEd Senior Phase and Further Education and Training Teaching</a> <a href="#">BSc Computer Science</a> <a href="#">BSc Biochemistry</a> <a href="#">BSc Chemistry</a> <a href="#">BSc Engineering and Environmental Geology</a> <a href="#">BSc Genetics</a> <a href="#">BSc Geography</a> <a href="#">BSc Geology</a> <a href="#">BSc Microbiology</a> <a href="#">BSc Physics</a> <a href="#">BSc Plant Science</a>
<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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