



# University of Pretoria Yearbook 2023

## Organic chemistry 284 (CMY 284)

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| <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)<br>BSc (Applied Mathematics)<br>BSc (Biochemistry)<br>BSc (Chemistry)<br>BSc (Engineering and Environmental Geology)<br>BSc (Genetics)<br>BSc (Geology)<br>BSc (Human Physiology)<br>BSc (Mathematics)<br>BSc (Microbiology)<br>BSc (Physics)<br>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 1   |

### Module content

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 Training in an ethical approach to safety that protects self, others and the environment is integral to the practical component of the course.



### **Regulations and rules**

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The **General Academic Regulations (G Regulations)** and **General Student Rules** apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.

### **University of Pretoria Programme Qualification Mix (PQM) verification project**

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.