



# University of Pretoria Yearbook 2023

## Evolution and phylogeny 362 (ZEN 362)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	18.00
<b>NQF Level</b>	07
<b>Programmes</b>	<a href="#">BSc (Ecology)</a> <a href="#">BSc (Entomology)</a> <a href="#">BSc (Plant Science)</a> <a href="#">BSc (Zoology)</a>
<b>Service modules</b>	Faculty of Education
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	2 practicals per week, 4 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Zoology and Entomology
<b>Period of presentation</b>	Quarter 3

### Module content

This module focuses on micro and macro-evolutionary processes and patterns, from the population level (selection, drift, general population genetics) to clines, subspecies and species. Phylogeography, phylogenetic reconstruction, taxonomy and the genetic and developmental constraints operating at the different levels, are addressed. This module forms the basis for understanding and attaining sustainable development goals 14 and 15 (protection/conservation of aquatic and terrestrial ecosystems), and acknowledges the importance of biodiversity for the sustainability of our own species.

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.