

# University of Pretoria Yearbook 2019

## Plant diversity 366 (BOT 366)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	18.00
<b>Programmes</b>	<a href="#">BSc Biochemistry</a> <a href="#">BSc Biotechnology</a> <a href="#">BSc Ecology</a> <a href="#">BSc Environmental Sciences</a> <a href="#">BSc Genetics</a> <a href="#">BSc Plant Science</a> <a href="#">BSc Zoology</a>
<b>Service modules</b>	Faculty of Education
<b>Prerequisites</b>	BOT 161 or permission from head of department
<b>Contact time</b>	1 practical per week, 2 lectures per week
<b>Language of tuition</b>	Separate classes for Afrikaans and English
<b>Department</b>	Department of Plant and Soil Sciences
<b>Period of presentation</b>	Semester 2

### Module content

Basic principles and methods of plant classification. Sources of plant variation. Modern methods to ascertain evolutionary relationships among plants. The extent and significance of vascular plant diversity. General structural and biological characteristics of evolutionary and ecologically important plant groups. Botanical nomenclature. Plant identification in practice; identification methods, keys, herbaria and botanical gardens. Diagnostic characters for the field identification of trees, wild flowers and grasses. Family recognition of southern African plants. Available literature for plant identification. Methods to conduct floristic surveys. Nature and significance of voucher specimens.

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