

University of Pretoria Yearbook 2017

Plant diversity 366 (BOT 366)

Qualification Undergraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module credits 18.00

Programmes [BSc Biochemistry](#)

[BSc Biotechnology](#)

[BSc Ecology](#)

[BSc Entomology](#)

[BSc Genetics](#)

[BSc Plant Science](#)

[BSc Zoology](#)

Service modules Faculty of Education

Prerequisites BOT 161 or TDH

Contact time 1 practical per week, 2 lectures per week

Language of tuition Separate classes for Afrikaans and English

Academic organisation Plant and Soil Sciences

Period of presentation 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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