

University of Pretoria Yearbook 2019

Plant ecology 358 (BOT 358)

Qualification Undergraduate

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

Module credits 18.00

Programmes [BSc Biochemistry](#)

[BSc Biotechnology](#)

[BSc Ecology](#)

[BSc Environmental Sciences](#)

[BSc Genetics](#)

[BSc Microbiology](#)

[BSc Plant Science](#)

[BSc Zoology](#)

Prerequisites BOT 161 and BOT 251 or permission from head of department

Contact time 2 lectures per week, 1 practical per week

Language of tuition Separate classes for Afrikaans and English

Department Department of Plant and Soil Sciences

Period of presentation Semester 1

Module content

Theory of plant community concepts, floristic and structural composition, plant diversity, ecological succession, landscape ecology. Data processing techniques. Species interactions and an evaluation of their effects on interacting species. Fundamentals of plant population biology: life tables; plant breeding systems and pollination; population dynamics; life history strategies; intraspecific competition; interspecific competition and co-existence.

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