

University of Pretoria Yearbook 2017

Plant ecology 358 (BOT 358)

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| Qualification | Undergraduate |
| Faculty | Faculty of Natural and Agricultural Sciences |
| Module credits | 18.00 |
| Programmes | BSc Biochemistry BSc Biotechnology BSc Ecology BSc Entomology BSc Environmental Sciences BSc Genetics BSc Microbiology BSc Plant Science BSc Zoology |
| Prerequisites | BOT 161 and BOT 251 or TDH |
| Contact time | 2 lectures per week, 1 practical per week |
| Language of tuition | Separate classes for Afrikaans and English |
| Academic organisation | 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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