

University of Pretoria Yearbook 2020

Weed science 413 (OKW 413)

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| Qualification | Undergraduate |
| Faculty | Faculty of Natural and Agricultural Sciences |
| Module credits | 15.00 |
| Programmes | BScAgric Applied Plant and Soil Sciences BScAgric Plant Pathology |
| Prerequisites | PLG 251 |
| Contact time | 2 lectures per week, fortnightly practicals |
| Language of tuition | Module is presented in English |
| Department | Department of Plant and Soil Sciences |
| Period of presentation | Semester 2 |

Module content

Identification of important weeds of crops, gardens and recreational areas.
Identification of alien invasive and indigenous encroaching species. Impacts of weeds on desirable vegetation.
Interference between crop and weed species through allelopathy and competition phenomena. Role of weeds in plant-biodiversity and crop production potential. Weeds in annual and perennial crop situations. Weed biology and ecology. Mechanical, cultural, biological and chemical weed management practices. Integrated weed management. Herbicide formulations and application techniques. Modes of action of herbicides, and their behaviour and fate in the environment.

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