



University of Pretoria Yearbook 2016

Soil classification and surveying 350 (GKD 350)

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| Qualification | Undergraduate |
| Faculty | Faculty of Natural and Agricultural Sciences |
| Module credits | 14.00 |
| Programmes | BSc Chemistry BSc Environmental and Engineering Geology BSc Environmental Sciences BSc Geography BSc Geoinformatics BSc Geology BSc Meteorology BScAgric Animal Science: Pasture Science BScAgric Option: Applied Plant and Soil Sciences |
| Prerequisites | GKD 250 GS |
| Contact time | 1 practical per week, 2 lectures per week |
| Language of tuition | Both Afr and Eng |
| Academic organisation | Plant Production and Soil Sc |
| Period of presentation | Semester 1 |

Module content

A taxonomic system for South Africa. USDA's Soil Taxonomy. Land suitability evaluation. Optimal resource utilization. The conservation component. Ecological aspects. Ecotype, land types. Soil maps. Practical work: Field practicals and compulsory excursion. Identification of soil horizons, forms and families. Land suitability evaluation. Elementary mapping exercise.

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