



University of Pretoria Yearbook 2017

Soil classification and surveying 350 (GKD 350)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	14.00
Programmes	BSc Engineering and Environmental Geology BSc Environmental Sciences BSc Geography BSc Geology BScAgric Animal and Pasture Science BScAgric Applied Plant and Soil Sciences
Prerequisites	GKD 250 GS
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

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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