

University of Pretoria Yearbook 2019

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 Applied Plant and Soil Sciences](#)

Prerequisites GKD 250 GS

Contact time 1 practical per week, 2 lectures 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

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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