

# University of Pretoria Yearbook 2016

## Soil classification and surveying 350 (GKD 350)

**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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