

# University of Pretoria Yearbook 2022

## Soil classification and surveying 350 (GKD 350)

**Qualification** Undergraduate

**Faculty** [Faculty of Natural and Agricultural Sciences](#)

**Module credits** 14.00

**NQF Level** 07

**Programmes** [BSc \(Engineering and Environmental Geology\)](#)

[BSc \(Geography and Environmental Science\)](#)

[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** Module is presented in 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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