



University of Pretoria Yearbook 2016

Introductory soil science 250 (GKD 250)

Qualification Undergraduate

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

Module content Origin and development of soil, weathering and soil formation processes. Profile differentiation and morphology. Physical characteristics: texture, structure, soil water, atmosphere and temperature. Chemical characteristics: clay minerals, ion exchange, pH, buffer action, soil acidification and salinisation of soil. Soil fertility and fertilisation. Soil classification. Practical work: Laboratory evaluation of simple soil characteristics. Field practicals on soil formation in the Pretoria area.

Module credits 12.00

Programmes [BSc \(Landscape Architecture\) Landscape Architecture](#)

[BSc Biological Sciences](#)

[BSc Biotechnology](#)

[BSc Chemistry](#)

[BSc Ecology](#)

[BSc Entomology](#)

[BSc Environmental and Engineering Geology](#)

[BSc Environmental Sciences](#)

[BSc Geography](#)

[BSc Geoinformatics](#)

[BSc Geology](#)

[BSc Meteorology](#)

[BSc Plant Science](#)

[BSc Zoology](#)

[BScAgric Agricultural Economics: Agribusiness Management](#)

[BScAgric Animal Science](#)

[BScAgric Animal Science: Pasture Science](#)

[BScAgric Option: Applied Plant and Soil Sciences](#)

[BScAgric Plant Pathology](#)

Service modules Faculty of Engineering, Built Environment and Information Technology

Prerequisites CMY 117 GS or TDH



Contact time	1 practical per week, 3 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Plant Production and Soil Sc
Period of presentation	Semester 1

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