

University of Pretoria Yearbook 2022

Soil chemistry 320 (GKD 320)

Qualification Undergraduate

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

Module credits 14.00

NQF Level 07

Programmes [BSc \(Meteorology\)](#)

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

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

[BSc \(Geology\)](#)

[BScAgric \(Applied Plant and Soil Sciences\)](#)

Prerequisites GKD 250

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 2

Module content

The more exact chemistry of soils systematically explained by understanding the particular chemical principles. Charge origin. Chemical equilibriums. Manifestations of sorption. Ion exchange. Acidic soils, saline soils and the organic fraction of soil. The chemistry of the important plant nutrient elements P, K and N is explained.

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