

# 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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