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# University of Pretoria Yearbook 2017

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## Soil chemistry 320 (GKD 320)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	14.00
<b>Programmes</b>	<a href="#">BSc Engineering and Environmental Geology</a> <a href="#">BSc Geography</a> <a href="#">BSc Meteorology</a> <a href="#">BScAgric Applied Plant and Soil Sciences</a>
<b>Prerequisites</b>	GKD 250
<b>Contact time</b>	2 lectures per week, 1 practical per week
<b>Language of tuition</b>	Separate classes for Afrikaans and English
<b>Academic organisation</b>	Plant and Soil Sciences
<b>Period of presentation</b>	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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