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# University of Pretoria Yearbook 2019

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## Surveying 220 (SUR 220)

<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="#">BEng Mining Engineering</a> <a href="#">BEng Mining Engineering Engage</a> <a href="#">BSc Geography</a> <a href="#">BSc Geoinformatics</a> <a href="#">BSc Meteorology</a>
<b>Service modules</b>	Faculty of Engineering, Built Environment and Information Technology
<b>Prerequisites</b>	WTW 114 GS/WTW 134
<b>Contact time</b>	1 practical per week, 2 lectures per week
<b>Language of tuition</b>	Afrikaans and English are used in one class
<b>Department</b>	Geography Geoinformatics and Meteorology
<b>Period of presentation</b>	Semester 2

### Module content

Adjustment and use of following instruments: Plane table, level, compass and theodolite. Elementary site surveying and leveling, tachometry. Definition of survey. Co-ordinate systems and bearing. Connections and polars. Methods of determining points. Elevation. Tachometry.

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