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# University of Pretoria Yearbook 2021

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## Surveying 220 (SUR 220)

**Qualification** Undergraduate

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

**Module credits** 14.00

**NQF Level** 06

**Programmes** [BEng Mining Engineering](#)

[BEng Mining Engineering ENGAGE](#)

[BSc Geography and Environmental Science](#)

[BSc Geoinformatics](#)

[BSc Meteorology](#)

**Service modules** Faculty of Engineering, Built Environment and Information Technology

**Prerequisites** WTW 114 GS/WTW 134

**Contact time** 1 practical per week, 2 lectures per week

**Language of tuition** Module is presented in English

**Department** Geography Geoinformatics and Meteorology

**Period of presentation** 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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