

# University of Pretoria Yearbook 2019

## Geometry 389 (WTW 389)

**Qualification** Undergraduate

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

**Module credits** 18.00

**Programmes** [BEd Senior Phase and Further Education and Training Teaching](#)

[BSc Computer Science](#)

[BSc Applied Mathematics](#)

[BSc Chemistry](#)

[BSc Geology](#)

[BSc Mathematical Statistics](#)

[BSc Mathematics](#)

[BSc Physics](#)

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

Faculty of Education

Faculty of Humanities

**Prerequisites** WTW 211

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

**Language of tuition** Afrikaans and English are used in one class

**Department** Mathematics and Applied Mathematics

**Period of presentation** Semester 2

### Module content

Axiomatic development of neutral, Euclidean and hyperbolic geometry. Using models of geometries to show that the parallel postulate is independent of the other postulates of Euclid.

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