



# University of Pretoria Yearbook 2017

## Analysis 220 (WTW 220)

**Qualification** Undergraduate

**Faculty** Faculty of Natural and Agricultural Sciences

**Module credits** 12.00

**Programmes** BCom

BCom Statistics

BEd Senior Phase and Further Education and Training Teaching

BSc Computer Science

BSc Actuarial and Financial Mathematics

BSc Applied Mathematics

BSc Chemistry

BSc Engineering and Environmental Geology

BSc Geology

BSc Mathematical Statistics

BSc Mathematics

BSc Meteorology

BSc Physics

**Service modules** Faculty of Education

Faculty of Economic and Management Sciences

**Prerequisites** WTW 114 and WTW 124

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

**Language of tuition** Separate classes for Afrikaans and English

**Academic organisation** Mathematics and Applied Maths

**Period of presentation** Semester 2

### Module content

Properties of real numbers. Analysis of sequences and series of real numbers. Power series and theorems of convergence. The Bolzano-Weierstrass theorem. The intermediate value theorem and analysis of real-valued functions on an interval. The Riemann integral: Existence and properties of the interval.



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