

# University of Pretoria Yearbook 2017

## Analysis 310 (WTW 310)

**Qualification** Undergraduate

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

**Module credits** 18.00

**Programmes** [BCom](#)

[BCom Statistics](#)

[BSc Actuarial and Financial Mathematics](#)

[BSc Applied Mathematics](#)

[BSc Geology](#)

[BSc Mathematical Statistics](#)

[BSc Mathematics](#)

[BSc Physics](#)

**Service modules** [Faculty of Education](#)

[Faculty of Economic and Management Sciences](#)

[Faculty of Humanities](#)

**Prerequisites** WTW 220

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

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

**Academic organisation** Mathematics and Applied Maths

**Period of presentation** Semester 1

### Module content

Topology of finite dimensional spaces: Open and closed sets, compactness, connectedness and completeness. Theorems of Bolzano-Weierstrass and Heine-Borel. Properties of continuous functions and applications. Integration theory for functions of one real variable. Sequences of functions.

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