

# University of Pretoria Yearbook 2016

## Real analysis 351 (MAT 351)

**Qualification** Undergraduate

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

**Module credits** 15.00

**Prerequisites** MAT 251 and MAT 262

**Contact time** 1 discussion class per week, 3 lectures per week

**Language of tuition** English

**Academic organisation** Mathematics and Applied Maths

**Period of presentation** Semester 1

### Module content

Topology of finite dimensional spaces: Open and closed sets, sequences, compactness, and completeness. Theorems of Bolzano-Weierstrass and Heine-Borel. Properties of continuous functions and applications. Sequences and series of functions.

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