

# University of Pretoria Yearbook 2022

## Mathematics 154 (WTW 154)

**Qualification** Undergraduate

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

**Module credits** 8.00

**NQF Level** 05

**Programmes** [BSc extended programme - Biological and Agricultural Sciences](#)

[BSc extended programme - Mathematical Sciences](#)

**Prerequisites** WTW 144

**Contact time** 1 tutorial per week, 3 lectures per week, Foundation Course

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

**Department** Mathematics and Applied Mathematics

**Period of presentation** Semester 1

### Module content

Integration: Accumulated change, the definite integral, anti-derivatives, the definite integral as an area, interpretations of the definite integral.

Matrices and systems of linear equations: Matrix addition and scalar multiplication, matrix multiplication, systems of linear equations. All topics are studied in the context of applications.

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