



# University of Pretoria Yearbook 2020

## Differential equations 264 (WTW 264)

**Qualification** Undergraduate

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

**Module credits** 12.00

**Programmes** [BCom](#)

[BCom Statistics and Data Science](#)

[BSc Actuarial and Financial Mathematics](#)

[BSc Engineering and Environmental Geology](#)

[BSc Geology](#)

[BSc Mathematical Statistics](#)

[BSc Meteorology](#)

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

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** Module is presented in English

**Department** Mathematics and Applied Mathematics

**Period of presentation** Semester 2

### Module content

\*Students will not be credited for both WTW 162 and WTW 264 or both WTW 264 and WTW 286 for their degree.

Theory and solution methods for ordinary differential equations and initial value problems: separable and linear first order equations, linear equations of higher order, systems of linear equations. Laplace transform.

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