

# University of Pretoria Yearbook 2016

## Calculus 148 (WTW 148)

**Qualification** Undergraduate

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

**Module credits** 8.00

**Programmes** [BCom Economics](#)

[BEd Senior Phase and Further Education and Training Teaching](#)

[BSc Geoinformatics](#)

**Service modules** Faculty of Education

**Prerequisites** WTW 114 GS or WTW 134

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

**Language of tuition** Both Afr and Eng

**Academic organisation** Mathematics and Applied Maths

**Period of presentation** Semester 2

### Module content

\*Students will not be credited for more than one of the following modules for their degree:

WTW 124, WTW 148 and WTW 164. The module WTW 148 is designed for students who require Mathematics at 100 level only and does not lead to admission to Mathematics at 200 level.

Integration techniques. Modelling with differential equations. Functions of several variables, partial derivatives, optimisation. Numerical techniques. All topics are studied in the context of applications.

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