



University of Pretoria Yearbook 2019

Mathematics 144 (WTW 144)

Qualification Undergraduate

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

Module content Functions: Rate of change, exponential functions, the natural logarithm, exponential growth and decay, proportionality, power functions, fitting formulas to data. Rates of change and the derivative: Instantaneous rate of change, the derivative function, interpretations of the derivative, the second derivative.
Differentiation: Formulas and rules, applications, extremes of a function. All topics are studied in the context of applications.

Module credits 8.00

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

Prerequisites WTW 133

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

Language of tuition Module is presented in English

Department Mathematics and Applied Mathematics

Period of presentation Semester 2

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