



# University of Pretoria Yearbook 2018

## Mathematics 134 (WTW 134)

**Qualification** Undergraduate

**Faculty** Faculty of Natural and Agricultural Sciences

**Module credits** 16.00

**Programmes**

BCom

BCom Economics

BCom Statistics

BEd Senior Phase and Further Education and Training Teaching

BIT

BSc Computer Science

BSc Construction Management

BSc Information and Knowledge Systems

BSc Quantity Surveying

BSc Real Estate

BSc Biochemistry

BSc Biological Sciences

BSc Biotechnology

BSc Culinary Science

BSc Ecology

BSc Entomology

BSc Environmental Sciences

BSc Food Science

BSc Genetics

BSc Geography

BSc Geoinformatics

BSc Human Genetics

BSc Human Physiology

BSc Human Physiology, Genetics and Psychology

BSc Medical Sciences



BSc Microbiology

BSc Nutrition

BSc Plant Science

BSc Zoology

BScAgric Agricultural Economics and Agribusiness Management

BScAgric Animal Science

BScAgric Applied Plant and Soil Sciences

BScAgric Plant Pathology

**Service modules**

Faculty of Engineering, Built Environment and Information Technology

Faculty of Education

Faculty of Veterinary Science

**Prerequisites**

Refer to Regulation 1.2: At least 50% for Mathematics in the Grade 12 examination .

**Contact time**

1 tutorial per week, 4 lectures per week

**Language of tuition**

Separate classes for Afrikaans and English

**Department**

Mathematics and Applied Mathematics

**Period of presentation** Semester 1

**Module content**

*\*Students will not be credited for more than one of the following modules for their degree: WTW 134, WTW 165, WTW 114, WTW 158. WTW 134 does not lead to admission to Mathematics at 200 level and is intended for students who require Mathematics at 100 level only. WTW 134 is offered as WTW 165 in the second semester only to students who have applied in the first semester of the current year for the approximately 65 MBChB, or the 5-6 BChD places becoming available in the second semester and who were therefore enrolled for MGW 112 in the first semester of the current year.*

Functions, derivatives, interpretation of the derivative, rules of differentiation, applications of differentiation, integration, interpretation of the definite integral, applications of integration. Matrices, solutions of systems of equations. All topics are studied in the context of applications.

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