

# University of Pretoria Yearbook 2017

## 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 Information Technology](#)

[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 and Pasture Science

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**

4 lectures per week, 1 tutorial per week

**Language of tuition**

Separate classes for Afrikaans and English

**Academic organisation**

Mathematics and Applied Maths

**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.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.