



# University of Pretoria Yearbook 2016

## Mathematics 134 (WTW 134)

**Qualification** Undergraduate

**Faculty** Faculty of Natural and Agricultural Sciences

**Module credits** 16.00

**Programmes** BCom Economics  
BEd Senior Phase and Further Education and Training Teaching  
BSc Information Technology Information and Knowledge Systems  
BSc Biochemistry  
BSc Biological Sciences  
BSc Biotechnology  
BSc Ecology  
BSc Entomology  
BSc Environmental Sciences  
BSc Food Management (4 years)  
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: Agribusiness Management  
BScAgric Animal Science  
BScAgric Animal Science: Pasture Science



BScAgric Food Science and Technology

BScAgric Option: Applied Plant and Soil Sciences

BScAgric Plant Pathology

BVeterinary Science Veterinary Science

**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** Both Afr and Eng

**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.