

University of Pretoria Yearbook 2025

Mathematics 134 (WTW 134)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	16.00
NQF Level	05
Programmes	BCom specialising in Economics
	BEd in Senior Phase and Further Education and Training Teaching
	BSc in Computer Science
	BSc in Construction Management
	BSc in Information Technology in Information and Knowledge Systems
	BSc in Quantity Surveying
	BSc in Real Estate
	BSc in Biochemistry
	BSc in Biotechnology
	BSc in Ecology
	BSc in Ecology 4-year programme
	BSc in Entomology
	BSc in Environmental and Engineering Geology
	BSc in Food Management specialising in Culinary Science
	BSc in Food Management specialising in Nutrition
	BSc in Food Science
	BSc in Genetics
	BSc in Geography option Geography and Environmental Science
	BSc in Geoinformatics
	BSc in Geoinformatics 4-year programme
	BSc in Geology
	BSc in Geology 4-year programme
	BSc in Human Genetics
	BSc in Human Physiology

BSc in Human Physiology 4-year programme

BSc in Human Physiology, Genetics and Psychology

BSc in Medical Sciences

BSc in Microbiology

BSc in Plant Science

BSc in Zoology

BScAgric in Animal Science

BScAgric in Applied Plant and Soil Sciences

BScAgric in Applied Plant and Soil Sciences 5-year programme

BScAgric in Plant Pathology

BScAgric in Plant Pathology 5-year programme

Service modules

Faculty of Engineering, Built Environment and Information Technology

Faculty of Education

Faculty of Veterinary Science

Prerequisites

50% for Mathematics in Grade 12

Contact time

1 tutorial per week, 4 lectures per week

Language of tuition

Module is presented in 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.

General Academic Regulations and Student Rules

The [General Academic Regulations \(G Regulations\)](#) and [General Student Rules](#) apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the

relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations. The G Regulations are updated annually and may be amended after the publication of this information.

Regulations, degree requirements and information

The faculty regulations, information on and requirements for the degrees published here are subject to change and may be amended after the publication of this information.

University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQSF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.