

University of Pretoria Yearbook 2025

Introductory genetics 161 (GTS 161)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	8.00
NQF Level	05
Programmes	BEd in Senior Phase and Further Education and Training Teaching BSc in Information Technology in Information and Knowledge Systems BSc in Biochemistry BSc in Biotechnology BSc in Chemistry BSc in Chemistry 4-year programme BSc in Ecology BSc in Ecology 4-year programme BSc in Entomology BSc in Food Management specialising in Nutrition BSc in Food Science BSc in Genetics 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 Physics BSc in Physics 4-year programme 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

Bachelor of Veterinary Science [BVSc]

Service modules	Faculty of Engineering, Built Environment and Information Technology
	Faculty of Education
	Faculty of Veterinary Science
Prerequisites	MLB 111 GS
Contact time	fortnightly tutorials, 2 lectures per week
Language of tuition	Module is presented in English
Department	Biochemistry, Genetics and Microbiology
Period of presentation	Semester 2

Module content

Chromosomes and cell division. Principles of Mendelian inheritance: locus and alleles, dominance interactions, extensions and modifications of basic principles.. Probability studies. Sex determination and sex linked traits. Pedigree analysis. Genetic linkage and chromosome mapping. Chromosome variation.

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.