



# University of Pretoria Yearbook 2025

## Introductory genetics 161 (GTS 161)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	Faculty of Natural and Agricultural Sciences
<b>Module credits</b>	8.00
<b>NQF Level</b>	05
<b>Programmes</b>	BEd (Senior Phase and Further Education and Training Teaching) BSc <i>Information and Knowledge Systems</i> BSc (Food Management) <i>Nutrition</i> BSc <i>Biochemistry</i> BSc <i>Biotechnology</i> BSc <i>Chemistry</i> BSc <i>Ecology</i> BSc <i>Entomology</i> BSc <i>Food Science</i> BSc <i>Genetics</i> BSc <i>Human Genetics</i> BSc <i>Human Physiology</i> BSc <i>Human Physiology, Genetics and Psychology</i> BSc <i>Medical Sciences</i> BSc <i>Microbiology</i> BSc <i>Physics</i> BSc <i>Plant Science</i> BSc specialising in Chemistry 4-year programme BSc specialising in Ecology 4-year programme BSc specialising in Human Physiology 4-year programme BSc specialising in Physics 4-year programme BSc <i>Zoology</i> BScAgric <i>Animal Science</i> BScAgric <i>Applied Plant and Soil Sciences</i>



### [BScAgric Plant Pathology](#)

[BScAgric specialising in Applied Plant and Soil Sciences 5-year programme](#)

[BScAgric specialising in Plant Pathology 5-year programme](#)

[Bachelor of Veterinary Sciences \[BVSc\]](#)

**Service modules** Faculty of Engineering, Built Environment and Information Technology  
Faculty of Education  
Faculty of Veterinary Science

**Prerequisites** MLB 111 GS

**Contact time** 2 lectures per week, fortnightly tutorials

**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.