

University of Pretoria Yearbook 2022

Introductory genetics 161 (GTS 161)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	8.00
NQF Level	05
Programmes	BEd (Senior Phase and Further Education and Training Teaching) BSc (Information and Knowledge Systems) BSc (Biochemistry) BSc (Biological Sciences) BSc (Biotechnology) BSc (Chemistry) BSc (Ecology) BSc (Entomology) BSc (Food Science) BSc (Genetics) BSc (Human Genetics) BSc (Human Physiology) BSc (Human Physiology, Genetics and Psychology) BSc (Medical Sciences) BSc (Microbiology) BSc (Nutrition) BSc (Physics) BSc (Plant Science) BSc (Zoology) BSc extended programme - Biological and Agricultural Sciences BScAgric (Animal Science) BScAgric (Applied Plant and Soil Sciences) BScAgric (Plant Pathology) 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.

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