

University of Pretoria Yearbook 2016

Introductory genetics 161 (GTS 161)

Qualification Undergraduate

Faculty Faculty of Natural and Agricultural Sciences

Module credits 8.00

Programmes

- BEd Senior Phase and Further Education and Training Teaching
- BSc Information Technology Information and Knowledge Systems
- BSc Biochemistry
- BSc Biological Sciences
- BSc Biotechnology
- BSc Chemistry
- BSc Ecology
- BSc Entomology
- BSc Extended programme - Biological and Agricultural Sciences
- 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 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	MLB 111 GS
Contact time	fortnightly practicals, 2 lectures per week
Language of tuition	Both Afr and Eng
Academic organisation	Genetics
Period of presentation	Semester 2

Module content

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

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