

University of Pretoria Yearbook 2022

Molecular genetics 251 (GTS 251)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	12.00
NQF Level	06
Programmes	BSc (Information and Knowledge Systems)
	BSc (Biochemistry)
	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 (Plant Science)
	BSc (Zoology)
	BScAgric (Animal Science)
	BScAgric (Applied Plant and Soil Sciences)
	BScAgric (Plant Pathology)
Service modules	Faculty of Engineering, Built Environment and Information Technology
	Faculty of Education
Prerequisites	GTS 161 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 1

Module content

The chemical nature of DNA. The processes of DNA replication, transcription, RNA processing, translation. Control of gene expression in prokaryotes and eukaryotes. Recombinant DNA technology and its applications in gene analysis and manipulation.

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