



University of Pretoria Yearbook 2022

Bacterial genetics 355 (MBY 355)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	18.00
NQF Level	07
Programmes	BSc (Biochemistry) BSc (Biotechnology) BSc (Genetics) BSc (Human Genetics) BSc (Human Physiology) BSc (Microbiology) BSc (Plant Science)
Prerequisites	MBY 251 GS, GTS 251 GS and GTS 261 GS.
Contact time	1 practical/tutorial per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Biochemistry, Genetics and Microbiology
Period of presentation	Semester 1

Module content

DNA replication and replication control. DNA recombination. DNA damage and repair. Genetics of bacteriophages, plasmids and transposons. Bacterial gene expression control at the transcriptional, translational and post-translational levels. Global regulation and compartmentalisation.

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