

University of Pretoria Yearbook 2016

Molecular and cellular biology 721 (MLB 721)

Qualification	Postgraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	15.00
Programmes	BScHons Biochemistry BScHons Bioinformatics BScHons Biotechnology BScHons Genetics BScHons Microbiology
Prerequisites	No prerequisites.
Contact time	2 discussion classes per week
Language of tuition	English
Academic organisation	Microbiology and Plant Path
Period of presentation	Semester 2

Module content

Principles and applications of recombinant DNA, and other novel molecular and genomics technologies, to address questions in the biological sciences and/or biotechnology. Strong emphasis is placed on the principles of research planning, including identifying suitable research objectives, formulating a research strategy and understanding the relevance and feasibility of research. The module is assessed by means of a research project proposal, conceived and formulated by each student. The proposal must focus on the use of molecular technologies in addressing realistic questions in biology and/or biotechnology. There is also an oral defense of the project proposal.

This module is jointly presented in the departments of Biochemistry, Genetics and Microbiology and Plant Pathology.

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