

# 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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