



University of Pretoria Yearbook 2016

Bacteriology 251 (MBY 251)

Qualification Undergraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module content Growth, replication and survival of bacteria, Energy sources, harvesting from light versus oxidation, regulation of catabolic pathways, chemotaxis. Nitrogen metabolism, iron-scavenging. Alternative electron acceptors: denitrification, sulphate reduction, methanogenesis. Bacterial evolution, systematic and genomics. Biodiversity; bacteria occurring in the natural environment (soil, water and air), associated with humans, animals, plants, and those of importance in foods and in the water industry.

Module credits 12.00

Programmes [BSc Information Technology Information and Knowledge Systems](#)

[BSc Biochemistry](#)

[BSc Biological Sciences](#)

[BSc Biotechnology](#)

[BSc Ecology](#)

[BSc Entomology](#)

[BSc Food Management \(4 years\)](#)

[BSc Food Science](#)

[BSc Genetics](#)

[BSc Human Genetics](#)

[BSc Human Physiology](#)

[BSc Medical Sciences](#)

[BSc Microbiology](#)

[BSc Plant Science](#)

[BSc Zoology](#)

[BScAgric Food Science and Technology](#)

[BScAgric Plant Pathology](#)

Service modules Faculty of Engineering, Built Environment and Information Technology

Prerequisites MBY 161 GS

Contact time 2 lectures per week, 1 practical per week



Language of tuition English

Academic organisation Microbiology and Plant Path

Period of presentation Semester 1

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