



University of Pretoria Yearbook 2016

Introduction to microbiology 161 (MBY 161)

Qualification Undergraduate

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

Module content The module will introduce the student to the field of Microbiology. Basic Microbiological aspects that will be covered include introduction into the diversity of the microbial world (bacteria, archaea, eukaryotic microorganisms and viruses), basic principles of cell structure and function, microbial nutrition and microbial growth and growth control. Applications in Microbiology will be illustrated by specific examples i.e. bioremediation, animal-microbial symbiosis, plant-microbial symbiosis and the use of microorganisms in industrial microbiology. Wastewater treatment, microbial diseases and food will be introduced using specific examples.

Module credits 8.00

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

[BSc\(Computer Science\) Computer Science](#)

[BSc Biochemistry](#)

[BSc Biological Sciences](#)

[BSc Biotechnology](#)

[BSc Chemistry](#)

[BSc Ecology](#)

[BSc Entomology](#)

[BSc Extended programme - Biological and Agricultural Sciences](#)

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

[BSc Food Science](#)

[BSc Genetics](#)

[BSc Geology](#)

[BSc Human Genetics](#)

[BSc Human Physiology](#)

[BSc Medical Sciences](#)

[BSc Microbiology](#)

[BSc Nutrition](#)

[BSc Plant Science](#)

[BSc Zoology](#)



BScAgric Animal Science

BScAgric Animal Science: Pasture Science

BScAgric Food Science and Technology

BScAgric Option: Applied Plant and Soil Sciences

BScAgric Plant Pathology

Service modules Faculty of Engineering, Built Environment and Information Technology

Prerequisites MLB 111 GS

Contact time 2 lectures per week, 1 practical per week

Language of tuition Both Afr and Eng

Academic organisation Microbiology and Plant Path

Period of presentation Semester 2

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