

University of Pretoria Yearbook 2017

Introduction to microbiology 161 (MBY 161)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	8.00
Programmes	<p>BSc Computer Science</p> <p>BSc Information and Knowledge Systems</p> <p>BSc Biochemistry</p> <p>BSc Biological Sciences</p> <p>BSc Biotechnology</p> <p>BSc Chemistry</p> <p>BSc Culinary Science</p> <p>BSc Ecology</p> <p>BSc Entomology</p> <p>BSc Extended programme - Biological and Agricultural Sciences</p> <p>BSc Food Science</p> <p>BSc Genetics</p> <p>BSc Human Genetics</p> <p>BSc Human Physiology</p> <p>BSc Medical Sciences</p> <p>BSc Microbiology</p> <p>BSc Nutrition</p> <p>BSc Plant Science</p> <p>BSc Zoology</p> <p>BScAgric Animal and Pasture Science</p> <p>BScAgric Animal Science</p> <p>BScAgric Applied Plant and Soil Sciences</p> <p>BScAgric Plant Pathology</p>
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	Separate classes for Afrikaans and English
Academic organisation	Microbiology and Plant Path
Period of presentation	Semester 2

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.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.